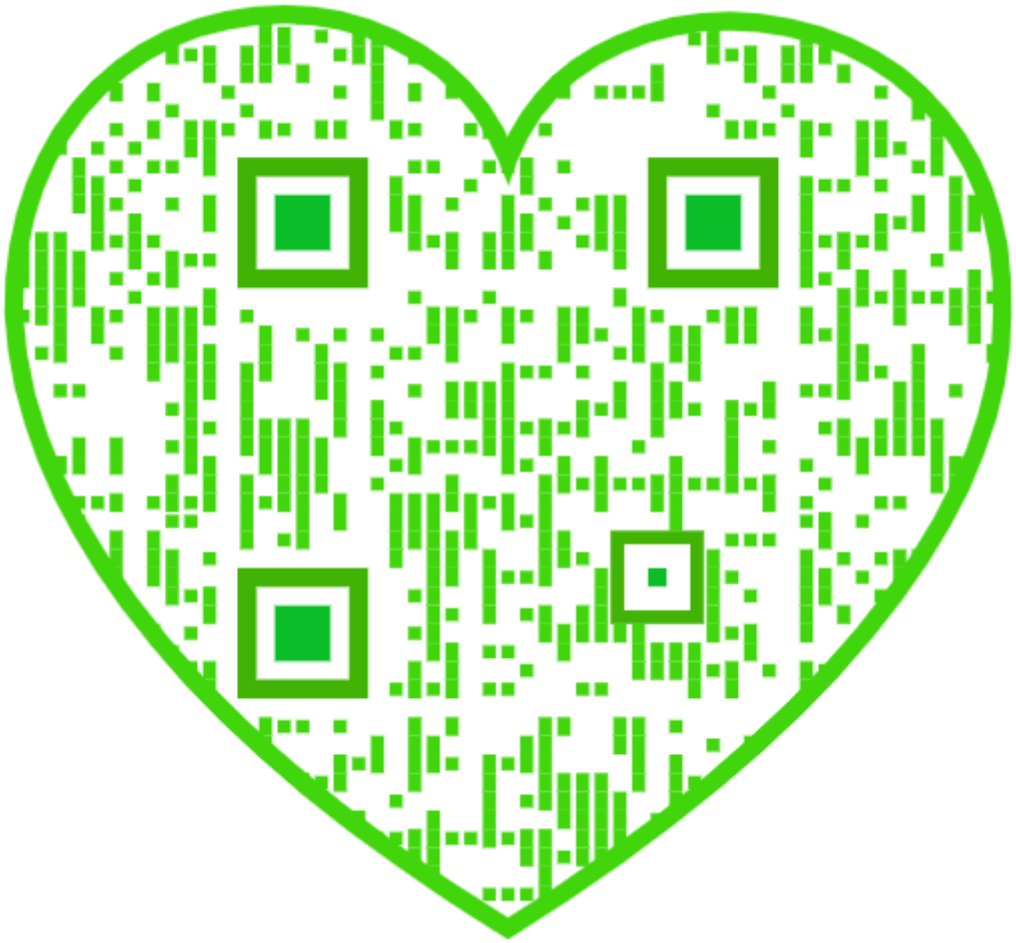
BASIC RELOADERS MANUAL 2002



HODGDON

Shotgun/Pistol Powders

Hodgdon shotgun and pistol powders give shooters uncompromising quality, consistent velocities and clean-burning performance. From 22s to 44 Magnums, 410 to 10 gauge, there's a powder to meet any need.

HODGDON

Spherical Rifle Powders

Hodgdon spherical powders are great all-round propellants for a variety of rifles. You'll not only enjoy consistently high performance, you'll also appreciate the consistent charge weights that Hodgdon spherical powders give you.

HODGDON
Extreme™ Rifle Powders

Our exclusive line of extruded rifle powders — Hodgdon Extreme™ — was developed to give shooters consistent performance, load after load, in even the most extreme heat and cold.

HODGDON
New Products for 2002

Triple Seven®
Revolutionary muzzleloading propellant that cleans up with just water.

Retumbo
For magnum loads that hit harder and strike faster.

HODGDON

Smokeless Propellants

Powder	Type	Container Size
Titewad	Shotshell	14oz 4lb 8lb
Clays	Shotshell/Pistol	14oz 4lb 8lb
International	Shotshell	14oz 4lb 8lb
Titegroup	Pistol	1lb 4lb 8lb
HP-38	Pistol	1lb 4lb 8lb
Universal	Shotgun/Pistol	1lb 4lb 8lb
HS-6	Shotgun/Pistol	1lb 8lb
HS-7	Shotgun/Pistol	1lb 8lb
Longshot	Shotgun	1lb 4lb 8lb
H110	Shotgun/Pistol	1lb 8lb
Lil' Gun	Shotgun/Pistol	1lb 4lb 8lb
H4227	Pistol/Rifle	1lb 8lb
H4198	Rifle	1lb 8lb
H322	Rifle	1lb 8lb
Benchmark	Rifle	1lb 8lb
H335	Rifle	1lb 8lb
H4895	Rifle	1lb 8lb
Varget	Rifle	1lb 8lb
BL–C(2)	Rifle	1lb 8lb
H380	Rifle	1lb 8lb
H414	Rifle	1lb 8lb
H4350	Rifle	1lb 8lb
H4831	Rifle	1lb 8lb
H4831SC	Rifle	1lb 8lb
H1000	Rifle	1lb 8lb
H870	Rifle	1lb 8lb
Retumbo	Rifle	1lb 8lb
H50BMG	Rifle	1lb 8lb

Warning

Ballistic data shown in this manual was obtained in Hodgdon's laboratory under strictly controlled conditions.

Your reloads must contain the exact combinations listed in this manual. **NEVER EXCEED** charge recommendations in this manual.

Ballistic data varies considerably depending on many factors, including components used, how such components are assembled, the type of firearm used, and the reloading techniques and safety precautions utilized by the individual.

NEVER mix any two powders regardless of type, brand or source. **NEVER** substitute any smokeless powder for black powder or for Pyrodex®.

Hodgdon specifically disclaims any warranties with respect to any and all products sold or distributed by it, the safety or suitability thereof, or the results obtained, whether express or implied, including without limitation, any implied warranty of merchantability or fitness for a particular purpose and/or any other warranty. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries (including death), losses, or damages to persons or property (including consequential damages), arising from the use of any product or data, whether or not occasioned by seller's negligence or based on strict product liability or principles of indemnity or contribution. Hodgdon neither assumes nor authorizes any person to assume for it any liability in connection with the use of any product or data.

The individual assumes the risk of safe loading practices. Failure to do so or violation of any of the above warnings could result in severe personal injury (including death) or gun damage to the user or bystanders.

USE THIS DATA WITH HODGDON BRAND POWDERS ONLY
Reduce data 10% to start and work up. DO NOT EXCEED THE LOADS SHOWN IN THIS GUIDE.

Charter Members

Mission Statement

Our mission is to provide quality propellants, other products, and services to sportsmen, governing units, and other businesses in a manner which enhances the quality of life for our stockholders, employees, customers, associates, and suppliers. In doing so, we will deal with integrity and honesty, reflecting that people are more important than dollars and that our purpose is to bring credit to our Lord Jesus Christ.

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Shotgun Usage

	Target				Light Field					Heavy Field					
	12 GA	20 GA	28 GA	410 BORE	12 GA	16 GA	20 GA	28 GA	410 BORE	10 GA	12 GA	16 GA	20 GA	28 GA	410 BORE
Clays	X				X										
Titewad	X				X										
International	X	X			X		X								
TiteGroup	X				X										
Universal	X	X	X		X	X	X	X			X				
HS-6			X			X	X	X		X	X	X			
HS-7							X	X		X	X	X	X	X	
LongShot	X	X	X							X	X	X	X	X	
H110				X					X						X
Lil' Gun				X					X						X

Pistol Usage

	Target	Light Duty	Medium Duty	Magnum
Clays	X	X		
Titegroup	X	X		
Universal	X	X	X	
HP-38	X	X	X	
HS-6		X	X	
HS-7			X	X
H110			X	X
H4227			X	X
Lil' Gun			X	X

Rifle Usage

	Target	Silhouette	Light	Medium	Magnum	50 Cal.
H4227			X			
Lil'gun			X			
H4198	X		X			
H322	X	X	X	X		
Benchmark	X	X	X	X		
H335	X	X	X	X		
H4895	X	X	X	X		
Varget	X	X	X	X		
BL-C(2)	X	X	X	X		
H380		X		X	X	
H414		X		X	X	
H4350		X		X	X	
H450				X	X	
H4831				X	X	
H4831 SC				X	X	
H1000				X	X	
Retumbo					X	
H870					X	X
H50BMG					X	X

Smokeless Pistol & Shotgun Powders

In Order of Approximate Burning Rate

TITEWAD™ Through advanced technology, Hodgdon Powder Co. has produced a superior flattened spherical shotgun powder. Unlike spherical propellants in the past, TITEWAD features low charge weights, mild muzzle report, minimum recoil and reduced residue for optimum ballistic performance. This outstanding propellant designed for 12 gauge only, meters superbly and is ideal for 7/8, 1 and 1 1/8 ounce loads. As the name implies, "a little goes a long way!"

CLAYS™ Introduced in January, 1992, CLAYS has "taken the clay target world by storm". It is the most clean burning, consistent 12 ga. 7/8 oz., 1 oz. and 1 1/8 oz. powder available today. The superb burning characteristics of this powder produce soft, smooth recoil, ultra clean burning, mild muzzle report, and excellent patterns. These features transfer directly to handgun applications where target shooting is the main goal. 45 ACP and 38 Special are only two of the cartridges where CLAYS provides "tack driving" target accuracy with flawless functioning.

INTERNATIONAL™ INTERNATIONAL is the second in the "CLAYS" series of powders. It is positioned in burning speed to accommodate 12 ga., 2 3/4" light, medium and heavy 1 1/8 oz. loads, with some very nice 1oz. listings. Also, it works splendidly in 20 ga., 7/8 oz. target and light field loads. As with CLAYS, clean burning and flawless functioning is the rule.

TITEGROUP™ As the name implies, this new spherical propellant was designed for accuracy. Because of the unique design, this powder provides flawless ignition with all types of primers including the lead-free versions. Unlike pistol powders of the past, powder position in large cases (45 Colt, 357 Magnum and others) has virtually no effect on velocity and performance. Cowboy Action, Bullseye and Combat Shooters should love this one! TITEGROUP has it all, low charge weight, clean burning, mild muzzle report and superb, uniform ballistics.

HP38™ HP38 is a spherical pistol powder that is great for low velocity and mid-range target loads in 38 Special, 44 Special and 45 ACP. This high energy powder provides economy in loading.

UNIVERSAL™ UNIVERSAL handles the broadest spectrum of cartridges for both pistol and shotgun. From the 25 ACP to the 44 Magnum, UNIVERSAL provides outstanding performance. In shotgun, it produces excellent loads in 28 ga. 3/4 oz., 20 ga. 7/8 oz., 16 ga. 1 oz., and even 12 ga. 1 1/4 oz. As with all the "CLAYS" series powders, clean burning and uniformity are part of its attributes.

HS-6™ HS-6 is a fine spherical propellant that has wide application in pistol and shotshell. In pistol, 9mm, 38 Super, 40 S&W and 10mm Auto are some of the cartridges where HS-6 provides top performance. In shotshell HS-6 yields excellent heavy field loadings in 10 ga., 12 ga., 16 ga., 20 ga., and even the efficient and effective 28 ga. HS-6 is truly an outstanding spherical propellant.

LONGSHOT™ This new spherical shotshell powder is the most versatile heavy field propellant Hodgdon has ever produced. Great field loads in 10 ga., 12 ga., 16 ga., 20 ga., and 28 ga. are shown herein. This propellant provides true magnum velocities with superb patterns. In addition, LONGSHOT is the best choice for those competitors shooting "race" games such as "Buddy" shoots, "Annie Oakleys" and more.

► **H4227** H4227 is the fastest of our Extreme Extruded rifle propellants. Because of its' burning speed, it doubles as a magnum pistol powder. Top applications are the 22 Hornet, 357 Maximum, 357 Magnum, 44 Magnum and the mighty 454 Casull. For stability under extreme conditions, H4227 is the top choice.

H110™ H110 is the spherical powder that screams "no wimps, please!" It delivers top velocities with top accuracy in the 44 Magnum, 454 Casull and the 475 Linebaugh. Silhouette shooters claim it is the most accurate 44 powder they have ever used. In addition, H110 is "the" choice for the miniscule 410 Bore shotgun. It handles all 2 1/2", 1/2 oz. loads, as well as all 11/16 oz. loads for the 3" version.

LIL'GUN™ The 410 BORE has long been difficult to load due to shortcomings in powder fit, metering, along with poor burning characteristics. Not any more! LIL'GUN was designed to fit, meter and perform flawlessly in the 410 BORE. No more spilled shot or bulged cases. In addition, LIL'GUN has many magnum pistol applications and is superb in the 22 Hornet.

Smokeless Rifle Powders

In Order of Approximate Burning Rate

► **H4198** This Extreme Extruded propellant has gone through some changes since its inception, all the time maintaining the same important burning speed of the past. The kernels were shortened for improved metering and necessary elements were added to make it extremely insensitive to hot/cold temperatures. H4198 is outstanding in cartridges like the 222 Remington, 444 Marlin and the 7.62 x 39.

► **H322™** This powder has won more benchrest matches than all other propellants combined. It provides match grade accuracy in small and medium capacity cartridges like the 223 Remington, 6mm PPC and the 7mm TCU. As a fine extruded powder, it flows through powder measures with superb accuracy.

► **BENCHMARK™** As the name implies, this Extreme Extruded propellant was developed for precision cartridges. As such, it is ideally suited for benchrest and small varmint cartridges like the 6mm PPC, 22 PPC, 6mm BR, 22 BR, 223 Rem. and 222 Rem., Additionally, it performs superbly in the 308 Winchester with light

Smokeless Rifle Powders

match bullets like the 147 gr. and 155 gr. versions. With small, easy metering granules, competitors will love how it flows through progressive presses.

H335™ H335 originated as a military powder, used for the 5.56 NATO, or 223 Remington as handloaders know it. Obviously, it sees endless use in the 222 Remington, 223 Remington and other small cartridges. In particular, prairie dog shooters will find this a favorite, as J.B. Hodgdon has for years!

► **H4895™** H4895 is a most versatile rifle powder. This member of the Extreme Extruded line is great for 17 Remington, 250-3000 Savage, 308 Winchester and 458 Winchester, to name just a few. It is amazingly accurate in every cartridge where it is listed in our data. It had its origin in the 30-06 as a military powder and was the first powder Bruce Hodgdon sold to the loading public.

► **VARGET™** The first of Hodgdon's revolutionary Extreme Extruded Powders, VARGET features small extruded grains for uniform metering, insensitivity to hot/cold temperatures and higher energy for improved velocities over other powders in its burning speed class. Easy ignition and clean burning characterize other features that translate into superb accuracy, higher scores and more clean, one shot kills. Outstanding performance and velocity can be obtained in such popular cartridges as the 223 Remington, 22-250 Remington, 308 Winchester, 30-06, 375 H&H and many more.

BL-C(2)™ BL-C(2) is a spherical powder that began as a military powder used in the 7.62 NATO, commonly known as the 308 Winchester. When it was first introduced to the handloader, benchrest shooters and other target shooters made it an instant success. BL-C(2) works extremely well in the 223 Remington, 17 Remington, 22 PPC and of course, the 308 Winchester, plus many more.

H380™ H380 was an unnamed spherical rifle propellant when the late Bruce Hodgdon first used it. When a 38.0 grain charge behind a 52 grain bullet gave one hole groups from his 22 caliber wildcat (now called the 22-250), he appropriately named the powder H380. H380 is also a superb performer in the 220 Swift, 243, 257 Roberts and other fine varmint cartridges.

H414™ This spherical powder has an extremely wide range of use. From the 22-250 Remington to the 375 H&H, it will give excellent results. It is simply ideal in the 30-06. As with all of our spherical powders, it delivers incredibly consistent charge weights through nearly any type of powder measure. H414 yields similar results to H4350 in most cartridges, although charge weights will vary.

► **H4350** This Extreme Extruded propellant is a burning speed that has been known to shooters for decades. During that time, Hodgdon has modernized H4350 by shortening the grains for improved metering and making it insensitive to hot/cold temperatures. H4350 is great in such cartridges as the 243 Winchester, 6mm Remington, 270 Winchester, 338 Winchester Magnum and many more. For magnums with light to moderate weight bullets, it can't be beat!

► **H4831™** It is probably safe to say more big game has been taken with H4831 than any other powder. Bruce Hodgdon was the first supplier to introduce this popular burning rate in 1950. Since that time it has become a favorite for cartridges like the 270 Winchester, 25-06 Remington, 280 Remington and 300 Winchester Magnum. As an Extreme Extruded propellant it shares the fine quality of insensitivity to hot/cold temperatures, as well as superb uniformity from lot to lot.

► **H4831SC™** Ballistically, this Extreme Extruded powder is the exact copy of H4831. Physically, it has a shorter grain size, therefore, the designation SC or short cut. The shorter, more compact kernels allow the powder to flow through powder measures more smoothly, helping to alleviate the constant cutting of granules. With the smoother flow characteristics comes more uniform charge weights, while the individual grains orient more compactly, creating better loading density.

► **H1000™** This very slow burning Extreme Extruded powder is perfect for highly overbored magnums like the 7mm Remington Magnum, 7mm STW and the 30-378 Weatherby. In addition, with heavy bullets, H1000 gives top velocity and performance in such cartridges as the 6mm-284, 257 Weatherby, 270 Winchester, and 300 Winchester Magnum. In a short period of time this powder has achieved considerable notoriety among long range match shooters.

► **RETUMBO** This magnum powder was designed expressly for the really large overbored cartridges such as the 7mm Remington Ultra Magnum, 300 Remington Ultra Magnum, 30-378 Weatherby Magnum, etc. RETUMBO adds 40-100 fps more velocity to these cartiridges when compared to other normal magnum powders. In addition, it is an Extreme Powder, making it perfect for big game hunting under all types of conditions.

H870™ This spherical powder is great for heavy bullets in big, overbore magnum loads. H870 is also used in the 50 caliber BMG and is the only surplus powder left in the canister line. Because it is inexpensive, it is frequently used in large capacity cases where economy is a major consideration.

► **H50BMG** As the name implies, this new generation Extreme Extruded rifle propellant is a clean burning powder designed expressly for the 50 caliber BMG cartridge. Because it shares the same technology as VARGET, H50BMG displays a high degree of thermal stability in temperature extremes.

Tests have conclusively proven that H50BMG yields very low extreme spreads in velocity and pressure. All this translates into small groups at extended ranges!

Properties

Smokeless powders, or propellants, are essentially mixtures of chemicals designed to burn under controlled conditions at the proper rate to propel a projectile from a gun.

Smokeless powders are made in three forms:

1. Thin, circular flakes or wafers
2. Small cylinders
3. Small spheres

Single-base smokeless powders derive their main source of energy from nitrocellulose.

The energy released from double-base smokeless powders is derived from both nitrocellulose and nitroglycerin.

All smokeless powders are extremely flammable; by design, they are intended to burn rapidly and vigorously when ignited.

Oxygen from the air is not necessary for the combustion of smokeless powders since they contain sufficient built-in oxygen to burn completely, even in an enclosed space such as the chamber of a firearm.

In effect, ignition occurs when the powder granules are heated above their ignition temperature. This can occur by exposing powder to:

1. A flame such as a match or primer flash.
2. An electrical spark or the sparks from welding, grinding, etc.
3. Heat from an electric hot plate or a fire directed against or near a closed container even if the powder itself is not exposed to the flame.

When smokeless powder burns, a great deal of gas at high temperature is formed. If the powder is confined, this gas will create pressure in the surrounding structure. The rate of gas generation is such, however, that the pressure can be kept at a low level if sufficient space is available or if the gas can escape.

In this respect smokeless powder differs from blasting agents or high explosives such as dynamite or blasting gelatin, although smokeless powder may contain chemical ingredients common to some of these products.

High explosives such as dynamite are made to detonate, that is, to change from solid state to gaseous state with evolution of intense heat at such a rapid rate that shock waves are propagated through any medium in contact with them. Such shock waves exert pressure on anything they contact, and, as a matter of practical consideration, it is almost impossible to satisfactorily vent away the effects of a detonation involving any appreciable quantity of dynamite.

Smokeless powder differs considerably in its burning characteristics from common “black powder.”

Black powder burns essentially at the same rate out in the open (unconfined) as when in a gun.

When ignited in an unconfined state, smokeless powder burns inefficiently with an orange-colored flame. It produces a considerable amount of light brown noxious smelling smoke. It leaves a residue of ash and partially burned powder. The flame is hot enough to cause severe burns.

The opposite is true when it burns under pressure as in a cartridge fired in a gun. Then it produces very little smoke, a small glow, and leaves very little or no residue. The burning rate of smokeless powder increases with increased pressure.

continued Smokeless Powder Properties

If burning smokeless powder is confined, gas pressure will rise and eventually can cause the container to burst. Under such circumstances, the bursting of a strong container creates effects similar to an explosion.

For this reason, the Department of Transportation (formerly Interstate Commerce Commission) sets specifications for shipping containers for propellants and requires tests of loaded containers – under actual fire conditions – before approving them for use.

When smokeless powder in D.O.T. approved containers is ignited during such tests, container seams split open or lids pop off – to release gases and powder from confinement at low pressure.

How to check for deterioration

Although modern smokeless powders are basically free from deterioration under proper storage conditions, safe practices require a recognition of the signs of deterioration and its possible effects.

Powder deterioration can be checked by opening the cap on the container and smelling the contents. Powder undergoing deterioration has an irritating acidic odor. (Don't confuse this with common solvent odors such as alcohol, ether and acetone.)

Check to make certain that powder is not exposed to extreme heat as this may cause deterioration. Such exposure produces an acidity which accelerates further reaction and has been known, because of the heat generated by the reaction, to cause spontaneous combustion.

Never salvage powder from old cartridges and do not attempt to blend salvaged powder with new powder. Don't accumulate old powder stocks.

The best way to dispose of deteriorated smokeless powder is to burn it out in the open at an isolated location in small shallow piles (not over 1" deep). The quantity burned in any one pile should never exceed one pound. Use an ignition train of slow burning combustible material so that the person may retreat to a safe distance before powder is ignited. For more instructions call Hodgdon Powder.

Consideration for Storage

Smokeless powder is intended to function by burning, so it must be protected against accidental exposure to flame, sparks or high temperatures.

For these reasons, it is desirable that storage enclosures be made of insulating materials to protect the powder from external heat sources.

Once smokeless powder begins to burn, it will normally continue to burn (and generate gas pressure) until it is consumed.

D.O.T. approved containers are constructed to open up at low internal pressures to avoid the effects normally produced by the rupture or bursting of a strong container.

Storage enclosures for smokeless powder should be constructed in a similar manner:

1. Of fire-resistant and heat-insulating materials to protect contents from external heat.
2. Sufficiently large to satisfactorily vent the gaseous products of combustion which would result if the quantity of smokeless powder within the enclosure accidentally ignited.

If a small, tightly enclosed storage enclosure is loaded to capacity with containers of smokeless powder, the walls of the enclosure will expand or move outwards to release the gas pressure – if the powder in storage is accidentally ignited.

Under such conditions, the effects of the release of gas pressure are similar or identical to the effects produced by an explosion.

Hence only the smallest practical quantities of smokeless powder should be kept in storage, and then in strict compliance with all applicable regulations and recommendations of the National Fire Protection Association.

Recommendations for Storage

STORE IN A COOL, DRY PLACE. Be sure the storage area selected is free from any possible sources of excess heat and is isolated from open flame, furnaces, hot water heaters, etc. Do not store smokeless powder where it will be exposed to the sun's rays. Avoid storage in areas where mechanical or electrical equipment is in operation. Restrict from the storage areas heat or sparks which may result from improper, defective or overloaded electrical circuits.

DO NOT STORE SMOKELESS POWDER IN THE SAME AREA WITH SOLVENTS, FLAMMABLE GASES OR HIGHLY COMBUSTIBLE MATERIALS.

STORE ONLY IN DEPARTMENT OF TRANSPORTATION APPROVED CONTAINERS. Do not transfer the powder from an approved container into one which is not approved

DO NOT SMOKE IN AREAS WHERE POWDER IS STORED OR USED. Place appropriate "No Smoking" signs in these areas.

DO NOT SUBJECT THE STORAGE CABINETS TO CLOSE CONFINEMENT. STORAGE CABINETS SHOULD BE CONSTRUCTED OF INSULATING MATERIALS AND WITH A WEAK WALL, SEAMS OR JOINTS TO PROVIDE AN EASY MEANS OF SELF-VENTING.

DO NOT KEEP OLD OR SALVAGED POWDERS. Check old powders for deterioration regularly. Destroy deteriorated powders immediately.

OBEY ALL REGULATIONS REGARDING QUANTITY AND METHODS OF STORING. Do not store all your powders in one place. If you can, maintain separate storage locations. Many small containers are safer than one or more large containers.

KEEP YOUR STORAGE AND USE AREA CLEAN. Clean up spilled powder promptly. Make sure the surrounding area is free of trash or other readily combustible materials.

10-3 Smokeless Propellants

10-3.1 Quantities of smokeless propellants not exceeding 25 lb (11.3 kg), in shipping containers approved by the U.S. Department of Transportation, may be transported in a private vehicle.

10-3.2 Quantities of smokeless propellants exceeding 25 lb (11.3 kg) but not exceeding 50 lb (22.7 kg), transported in a private vehicle, shall be transported in a portable magazine having wood walls of at least 1 in. (25.4 mm) nominal thickness.

10-3.3 Transportation of more than 50 lb (22.7 kg) of smokeless propellants in a private vehicle is prohibited.

10-3.4 Commercial shipments of smokeless propellants in quantities not exceeding 100 lb (45.4 kg) are classified for transportation purposes as flammable solids when packaged according to U.S. Department of Transportation Hazardous Materials Regulations (Title 49, *Code of Federal Regulations,* Part 173.197a), and shall be transported accordingly.

10-3.5 Commercial shipments of smokeless propellants exceeding 100 lb (45.4 kg) or not packaged in accordance with the regulations cited in 10-3.4 shall be transported according to U.S. Department of Transportation regulations for Class B propellant explosives.

10-3.6 Smokeless propellants shall be stored in shipping containers specified by U.S. Department of Transportation Hazardous Materials Regulations.

10-3.7 Smokeless propellants intended for personal use in quantities not exceeding 20 lb (9.1 kg) may be stored in original containers in residences. Quantities exceeding 20 lb (9.1 kg), but not exceeding 50 lb (22.7 kg), may be stored in residences if kept in a wooden box or cabinet having walls of at least 1 in. (25.4 mm) nominal thickness.

10-3.8 Not more than 20 lb (9.1 kg) of smokeless propellants, in containers of 1 lb (0.45 kg) maximum capacity, shall be displayed in commercial establishments.

10-3.9 Commercial stocks of smokeless propellants shall be stored as follows:

a) Quantities exceeding 20 lb (9.1 kg), but not exceeding 100 lb (45.4 kg), shall be stored in portable wooden boxes having walls of at least 1 in. (25.4 mm) thickness.

b) Quantities exceeding 100 lb (45.4 kg), but not exceeding 800 lb (363 kg), shall be stored in nonportable storage cabinets having walls of at least 1 in (25.4 mm) thickness. Not more than 400 lb (181 kg) may be stored in any one cabinet and cabinets shall be separated by a distance of at least 25 ft (7.63 m) or by a fire partition having a fire resistance of at least 1 hour.

c) Quantities exceeding 800 lb (363 kg), but not exceeding 5,000 lb (2268 kg), may be stored in a building if the following requirements are met:

1. The warehouse or storage room shall not be accessible to unauthorized personnel.
2. Smokeless propellant shall be stored in nonportable storage cabinets having wood walls at least 1 in. (25.4 mm) thick and having shelves with no more than 3 ft. (0.92 m) separation between shelves.
3. No more than 400 lb. (181 kg) shall be stored in any one cabinet..
4. Cabinets shall be located against walls of the storage room or warehouse with at least 40 ft (12.2 m) between cabinets.
5. Separation between cabinets may be reduced to 20 ft (6.1 m) if barricades twice the height of the cabinets are attached to the wall, midway between each cabinet. The barricades shall extend at least 10 ft. (3 m) outward, shall be firmly attached to the wall, and shall be constructed of 1/4 in. (6.4 mm) boiler plate, 2 in. (51 mm) thick wood, brick, or concrete block.
6. Smokeless propellant shall be separated from materials classified by the U.S. Department of Transportation as flammable liquids, flammable solids, and oxidizing materials by a distance of 25 ft. (7.63 m) or by a fire partition having a fire resistance of at least 1 hour.
7. The building shall be protected by an automatic sprinkler system installed according to NFPA 13, *Standard for the Installation of Sprinkler Systems.*

d) Smokeless propellants not stored according to (a), (b) and (c) above shall be stored in a Type 4 magazine constructed and located according to Chapter 6.

Reprinted from NFPA495-85, Standard for the Manufacture, Transportation, Storage and Use of Explosive Materials, © 1985, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented by the Standard in its entirety.

RIFLE data

as a thank
ap to wear
ved a photo of a
ntain Wilderness area of
ugh to draw one of the coveted

88 grains of H 1000, Weatherby brass, Fed 215
180 grain bullet, a particularly accurate load in my
ght Weatherby accumark. I hit the bull with a frontal chest shot
ded up with the bullet just under the skin of the near leg

Thanks for your part in a succesful combination!

Sincerely,

Richard Fording

RIFLE data

The loads shown in this section should be followed just as they are printed. These loads are like recipes. The closer they are followed, the better the resultant load.

Warnings

NEVER Exceed the Loads Listed in This Publication

For all brands of powders use only the components shown. If the reloader makes any changes in components or gets new lot numbers, he should begin again with the starting loads and work up to maximum cautiously.

For those loads listed where a starting load is not shown, start 10% below the suggested maximum load and then approach maximums carefully, watching for any sign of pressure (difficult extraction, cratered and flattened or blown primers, and unusual recoil), **H110 Loads should not be reduced more than 3%.**

Reduce H110 Loads 3% and work up from there. H110 if reduced too much will cause inconsistent ignition. In some cases it will lodge a bullet in the barrel, causing a hazardous situation (Barrel Obstruction). This may cause severe personal injury or death to users or bystanders. **DO NOT REDUCE H110 LOADS BY MORE THAN 3%.**

H4831SC has the same ballistic performance as H4831.

Brands

BAR Barnes
BER - Berger
BLX - Bull-X
FA - Freedom Arms
HDY - Hornady
NOS - Nosler
REM - Remington
SIE - Sierra
SFT - Swift
SPR - Speer
WIN - Winchester

Primers

LR - Large Rifle
LRM - Large Rifle Magnum
SR - Small Rifle
SRM - Small Rifle Magnum

Data

C - Compressed Powder Charge
PR - Primer
BBL - Barrel
COL - Cartridge Overall Length
REF - Reformed

Bullets

A-Max - Hornady Match
BR - Bench Rest
BT - Ballistic Tip
FMC - Full Metal Case
FMJ - Full Metal Jacket
FMJBT - Full Metal Jacket Boat Tail
FN - Flat Nose
FP - Flat Point
FPJ - Full Plated Jacket
FS - Fail Safe
GC - Gas Check
GDHP - Gold Dot Hollow Point
GDSP - Gold Dot Soft Point
GS - Grand Slam
HB - Hollow Base
HC - Hollow Cavity
HP - Hollow Point
HPBT - Hollow Point Boat Tail
HSP - Hollow Soft Point
JFP - Jacketed Flat Point
JHC - Jacketed Hollow Cavity
JHP - Jacketed Hollow Point
JRN - Jacketed Round Nose
JSP - Jacketed Soft Point
JSWC - Jacketed Semi-Wadcutter
LBBWC - Lead Bevel Base Wadcutter
LFP - Lead Flat Point
LHBWC - Lead Hollow Base Wadcutter
LRN - Lead Round Nose
LSWC - Lead Semi-Wadcutter
MK - Match King
MT-SP - Mag Tip Soft Point
PSPCL - Pointed Soft Point "Core-Lokt"
RN - Round Nose
SB - Solid Base
SJ - Short Jacket
SP - Soft Point, Spitzer, Spire Point
SPBT - Soft Point Boat Tail
ST - Silvertip
TMJ - Totally Metal Jacket
UCHP - Uni-cor Hollow Point
WC - Wadcutter
X - X Bullet
XFB - X Flat Base
XBT - X Boat Tail
XBTC - X Boat Tail Coated

BULLET	POWDER	GR	VEL	CUP
17 REMINGTON				**CASE: REMINGTON**
BBL: 24"				**PR: REMINGTON 7 1/2**
25 GR. HDY HP				**COL: 2.150"**
	H414	27.0	3989	48,300 CUP
	H380	26.0	3950	46,100 CUP
	VARGET	24.5	4123	50,800 CUP
	BL-C(2)	24.0	4051	49,000 CUP
	H335	21.0	3963	51,300 CUP
	H4895	23.0	4033	48,500 CUP
	BENCHMARK	23.3	4038	50,600 CUP
	H322	21.8	3921	49,700 CUP
22 HORNET				**CASE: WINCHESTER**
BBL: 24"				**PR: WINCHESTER SR**
35 GR. HDY V-MAX				**COL: 1.725"**
	H4198	11.5 C	2420	26,300 CUP
	H4227	11.6 C	2896	42,500 CUP
	H110	12.3	3060	41,400 CUP
	LIL'GUN	13.0	2842	24,000 CUP
45 GR. HDY SP				**COL: 1.750"**
	H4198	11.5 C	2400	32,000 CUP
	H4227	9.8	2484	42,000 CUP
	H110	10.4	2574	43,000 CUP
	LIL'GUN	13.0	2787	31,600 CUP
222 REMINGTON				**CASE: WINCHESTER**
BBL: 24"				**PR: WINCHESTER SR**
40 GR. SIE SP				**COL: 2.125"**
	H335	25.0	3371	44,600 CUP
	H4895	24.0 C	3133	34,200 CUP
	BENCHMARK	25.0	3303	40,700 CUP
	H322	23.0	3313	44,000 CUP
	H4198	21.4	3480	45,700 CUP
	H4227	15.0	3040	45,100 CUP
50 GR. HDY SP				**COL: 2.130"**
	VARGET	25.0 C	3114	40,600 CUP
	BL-C(2)	25.0	3000	38,600 CUP
	H335	23.6	3120	45,700 CUP
	H4895	23.8 C	3022	36,500 CUP
	BENCHMARK	24.0	3168	45,800 CUP
	H322	22.2	3079	43,200 CUP
	H4198	20.5	3160	44,200 CUP
	H4227	13.8	2668	44,000 CUP
223 REMINGTON				**CASE: WINCHESTER**
BBL: 24"				**PR: WINCHESTER SR**
40 GR. NOS BT				**COL: 2.280"**
	VARGET	28.0 C	3674	47,200 CUP
	BL-C(2)	28.5	3612	45,400 CUP
	H335	28.0	3572	44,600 CUP
	H4895	27.5 C	3573	44,500 CUP
	BENCHMARK	27.3	3666	51,000 CUP
	H322	25.5	3574	48,000 CUP
	H4198	22.5	3601	49,600 CUP
50 GR. SPR SP				**COL: 2.210"**
	VARGET	27.5 C	3383	44,800 CUP
	BL-C(2)	28.0	3428	47,100 CUP
	H335	26.0	3393	51,700 CUP
	H4895	27.5 C	3468	51,300 CUP
	BENCHMARK	26.5	3396	50,400 CUP
	H322	24.0	3301	49,300 CUP
	H4198	21.5	3223	45,900 CUP
55 GR. SPR SP				**COL: 2.200"**
	VARGET	27.5 C	3384	49,700 CUP
	BL-C(2)	27.5	3313	48,500 CUP
	H335	25.3	3203	49,300 CUP
	H4895	26.0	3315	49,000 CUP
	BENCHMARK	25.6	3264	50,000 CUP
	H322	23.0	3106	48,900 CUP
	H4198	21.0	3150	47,600 CUP
22 PPC				**CASE: SAKO (REF)**
BBL: 24"				**PR: REMINGTON 7 1/2**
50 GR. SPR SP				**COL: 2.065"**
	VARGET	29.5	3408	48,200 CUP
	BL-C(2)	30.5	3316	47,000 CUP
	H335	28.0	3418	50,000 CUP
	H4895	28.0	3347	46,500 CUP
	BENCHMARK	29.0	3430	49,600 CUP
	H322	26.0	3385	48,000 CUP
53 GR. HDY HP				**COL: 2.065"**
	VARGET	28.5	3363	48,900 CUP
	BL-C(2)	30.5	3288	48,000 CUP
	H335	27.5	3344	49,000 CUP
	H4895	28.0	3321	49,000 CUP
	BENCHMARK	28.5	3368	49,400 CUP
	H322	26.0	3333	48,500 CUP
22 BR REMINGTON				**CASE: REMINGTON (REF)**
BBL: 24"				**PR: REMINGTON 7 1/2**
50 GR. SPR SP				**COL: 1.945"**
	VARGET	33.5	3624	44,600 CUP
	BL-C(2)	35.5	3649	49,000 CUP
	H335	32.0	3628	48,800 CUP
	H4895	32.0	3606	48,000 CUP
	BENCHMARK	31.5	3618	49,700 CUP
	H322	30.5	3637	50,000 CUP
53 GR. HDY HP				**COL: 2.065"**
	VARGET	33.0	3638	51,100 CUP
	BL-C(2)	35.0	3592	48,800 CUP
	H335	31.5	3587	49,200 CUP
	H4895	31.5	3566	49,000 CUP
	BENCHMARK	30.5	3523	49,200 CUP
	H322	30.0	3544	48,400 CUP
22-250 REMINGTON				**CASE: WINCHESTER**
BBL: 24"				**PR: WINCHESTER LR**
40 GR. NOS BT				**COL: 2.350"**
	H414	41.0	3933	47,100 CUP
	H380	41.0	3855	39,200 CUP
	VARGET	39.5	4135	51,100 CUP
	H4895	37.0	4060	48,700 CUP
	BENCHMARK	36.5	4114	50,100 CUP

BULLET	POWDER	GR	VEL	CUP
50 GR. SIE SP				**COL: 2.350"**
	H4350	42.0	3579	48,900 CUP
	H414	40.0	3765	48,600 CUP
	H380	41.0	3742	45,300 CUP
	VARGET	37.5	3834	50,400 CUP
	BL-C(2)	34.5	3740	48,400 CUP
	H335	34.5	3753	48,700 CUP
	H4895	36.5	3827	50,200 CUP
	BENCHMARK	36.0	3903	51,400 CUP
	H322	32.0	3628	50,300 CUP
55 GR. SPR SP				**COL: 2.350"**
	H4350	39.0	3490	47,800 CUP
	H414	39.0	3582	46,700 CUP
	H380	41.0	3713	50,700 CUP
	VARGET	36.5	3664	50,400 CUP
	BL-C(2)	34.0	3606	49,600 CUP
	H335	33.0	3589	51,100 CUP
	H4895	35.5	3670	49,300 CUP
	BENCHMARK	33.6	3674	50,200 CUP
	H322	30.0	3480	49,800 CUP

220 SWIFT
BBL: 26" — **CASE: WINCHESTER** / **PR: WINCHESTER LR**

BULLET	POWDER	GR	VEL	CUP
40 GR. SIE HP				**COL: 2.680"**
	H414	46.0	4213	51,600 CUP
	H380	44.0	4124	50,000 CUP
	VARGET	40.5	4113	49,800 CUP
	H335	40.0	4158	53,100 CUP
	H4895	40.0	4126	52,000 CUP
50 GR. HDY SP				**COL: 2.680"**
	H414	44.0	3826	49,600 CUP
	H380	43.5	3947	53,800 CUP
	VARGET	36.0	3770	50,200 CUP
	BL-C(2)	38.0	3888	51,000 CUP
	H335	38.0	3860	52,000 CUP
	H4895	38.0	3840	51,200 CUP
55 GR. HDY SP				**COL: 2.680"**
	H4831	46.0	3616	46,600 CUP
	H4350	42.0	3619	50,800 CUP
	H414	44.0	3833	53,700 CUP
	H380	42.5	3839	53,300 CUP
	VARGET	36.0	3645	51,900 CUP
	BL-C(2)	36.0	3682	49,900 CUP
	H335	36.0	3696	50,400 CUP
	H4895	37.0	3698	52,000 CUP

6MM PPC
BBL: 24" — **CASE: SAKO (REF)** / **PR: REMINGTON 7 1/2**

BULLET	POWDER	GR	VEL	CUP
70 GR. NOS BT				**COL: 2.100"**
	VARGET	29.0	3034	48,000 CUP
	BL-C(2)	31.0	3012	47,500 CUP
	H335	27.5	3033	48,500 CUP
	H4895	28.0	3034	46,500 CUP
	BENCHMARK	29.0	3149	50,500 CUP
	H322	26.5	3068	50,000 CUP
	H4198	22.0	2839	50,400 CUP

BULLET	POWDER	GR	VEL	CUP
75 GR. SPR HP				**COL: 2.115"**
	VARGET	28.0	2906	47,000 CUP
	BL-C(2)	30.5	2974	47,800 CUP
	H335	27.0	2990	49,000 CUP
	H4895	27.5	2981	48,500 CUP
	BENCHMARK	28.5	3037	50,100 CUP
	H322	26.0	2974	49,500 CUP
	H4198	21.0	2780	49,000 CUP

6MM BR REMINGTON
BBL: 24" — **CASE: REMINGTON** / **PR: REMINGTON 7 1/2**

BULLET	POWDER	GR	VEL	CUP
70 GR. NOS BT				**COL: 2.100"**
	VARGET	34.0	3342	49,400 CUP
	BL-C(2)	35.0	3289	48,000 CUP
	H335	31.0	3287	47,000 CUP
	H4895	31.0	3188	47,000 CUP
	BENCHMARK	31.6	3227	49,000 CUP
	H322	30.0	3200	47,000 CUP
80 GR. SPR SP				**COL: 2.115"**
	VARGET	32.5	3159	50,700 CUP
	BL-C(2)	33.0	3089	47,500 CUP
	H335	30.0	3090	48,000 CUP
	H4895	30.0	3100	47,000 CUP
	BENCHMARK	30.5	3048	49,400 CUP
	H322	28.0	3005	47,000 CUP

243 WINCHESTER
BBL: 24" — **CASE: WINCHESTER** / **PR: WINCHESTER LR**

BULLET	POWDER	GR	VEL	CUP
70 GR. SPR HP				**COL: 2.625"**
	H414	46.0	3568	49,800 CUP
	H380	46.0	3567	48,900 CUP
	VARGET	40.5	3574	50,100 CUP
	BL-C(2)	39.0	3384	50,400 CUP
	H4895	39.5	3477	49,200 CUP
	BENCHMARK	39.3	3491	50,300 CUP
80 GR. SIE BTSP				**COL: 2.635"**
	H414	45.0	3404	50,100 CUP
	H380	41.2	3223	50,300 CUP
	VARGET	38.5	3355	50,300 CUP
	BL-C(2)	38.5	3242	50,600 CUP
	H4895	38.0	3307	50,100 CUP
100 GR. SPR BTSP				**COL: 2.650"**
	H1000	47.0 C	3000	49,800 CUP
	H4831	42.0	2924	50,100 CUP
	H4350	40.0	2973	51,000 CUP
	H414	40.0	2963	50,600 CUP
	H380	36.0	2770	50,100 CUP
	VARGET	33.7	2838	50,400 CUP
	H4895	33.0	2818	50,100 CUP

6MM REMINGTON
BBL: 24" — **CASE: WINCHESTER** / **PR: REMINGTON 9 1/2**

BULLET	POWDER	GR	VEL	CUP
70 GR. SIE HPBT				**COL: 2.810"**
	H4350	50.5	3638	49,500 CUP
	H414	48.5	3636	50,100 CUP
	H380	46.5	3533	50,000 CUP

BULLET	POWDER	GR	VEL	CUP
	VARGET	42.0	3550	50,000 CUP
	H4895	42.0	3588	49,500 CUP
	BENCHMARK	40.7	3575	49,700 CUP
80 GR. SPR SP				**COL: 2.775"**
	H4831	51.0	3358	49,400 CUP
	H4350	47.0	3337	48,700 CUP
	H414	46.5	3381	49,300 CUP
	H380	44.0	3247	49,500 CUP
	VARGET	41.0	3379	50,600 CUP
	H4895	39.5	3307	49,400 CUP
100 GR. SPR BT				**COL: 2.775"**
	H1000	50.0	3080	50,200 CUP
	H4831	46.0	3042	50,700 CUP
	H4350	42.5	2999	50,100 CUP
	H414	42.0	2991	50,800 CUP
	VARGET	36.0	2933	50,200 CUP
	H4895	35.0	2889	49,400 CUP

25-20 WINCHESTER

BBL: 24" — **CASE: REMINGTON** — **PR: WINCHESTER SR**

60 GR. HDY FP				**COL: 1.600"**
	H322	15.0 C	1900	25,700 CUP
	H4198	14.2 C	2101	25,800 CUP
	H4227	10.2	1962	26,700 CUP
	H110	9.3	1931	26,600 CUP
	HS-7	7.0	1724	27,100 CUP

25-35 WINCHESTER

BBL: 20" — **CASE: WINCHESTER** — **PR: WINCHESTER LR**

60 GR. HDY SP				**COL: 2.305"**
	BL-C(2)	30.0	2786	
	H335	30.0	2792	
	H4895	30.0	2729	
	H4198	24.0	2717	
117 GR. HDY RN				**COL: 2.600"**
	BL-C(2)	27.0	2188	
	H335	27.0	2199	
	H4895	27.0	2207	
	H4198	20.0	2014	

250-3000 SAVAGE

BBL: 26" — **CASE: REMINGTON** — **PR: REMINGTON 9 1/2**

75 GR. SIE HP				**COL: 2.450"**
	H4350	42.0	3222	
	H414	44.0	3460	
	H380	42.0	3393	
	BL-C(2)	38.0	3299	
	H335	37.0	3258	
	H4895	38.0	3380	
	H322	34.0	3194	
	H4198	30.0	3169	
87 GR. SPR SP				**COL: 2.450"**
	H4350	41.0	3063	
	H414	42.0	3297	
	H380	41.0	3210	
	BL-C(2)	36.0	3114	
	H335	35.0	3075	
	H4895	37.0	3208	
	H322	32.0	3044	
100 GR. NOS PART				**COL: 2.500"**
	H4831	42.0	2890	
	H4350	40.0	2881	
	H414	40.0	3102	
	H380	38.0	2998	
	BL-C(2)	34.0	2900	
	H335	34.0	2921	
	H4895	35.0	2988	
	H322	29.0	2709	

257 ROBERTS

BBL: 26" — **CASE: REMINGTON** — **PR: REMINGTON 9 1/2**

75 GR. HDY HP				**COL: 2.795"**
	H4831	53.0	3307	37,500 CUP
	H4350	50.0	3422	44,000 CUP
	H414	52.0	3555	45,300 CUP
	H380	48.0	3563	45,600 CUP
	VARGET	41.0	3453	43,700 CUP
	BL-C(2)	46.0	3531	46,700 CUP
	H335	46.0	3548	45,000 CUP
	H4895	44.0	3561	47,300 CUP
	BENCHMARK	41.7	3434	45,000 CUP
90 GR. SIE HPBT				**COL: 2.775"**
	H4831	52.0	3236	39,500 CUP
	H4350	46.0	3040	43,700 CUP
	H414	50.0	3368	44,400 CUP
	H380	47.0	3364	45,400 CUP
	VARGET	40.0	3269	44,900 CUP
	BL-C(2)	43.5	3231	45,000 CUP
	H335	43.0	3300	44,400 CUP
	H4895	42.0	3372	47,600 CUP
100 GR. SPR SPBT				**COL: 2.770"**
	H4831	49.0	3010	44,100 CUP
	H4350	45.0	2970	45,400 CUP
	H414	45.0	3098	44,500 CUP
	H380	44.0	3108	46,600 CUP
	VARGET	38.0	2981	44,900 CUP
	BL-C(2)	39.0	2958	45,400 CUP
	H335	39.0	3042	47,800 CUP
	H4895	38.0	2990	46,100 CUP

25-06 REMINGTON

BBL: 24" — **CASE: REMINGTON** — **PR: REMINGTON 9 1/2**

90 GR. SIE HPBT				**COL: 3.100"**
	H1000	62.0 C	3330	47,500 CUP
	H4831	58.0	3481	50,400 CUP
	H4350	53.0	3370	50,700 CUP
	H414	51.0	3315	50,200 CUP
	VARGET	45.0	3312	50,400 CUP
	H4895	44.0	3257	51,000 CUP
100 GR. NOS PART				**COL: 3.200"**
	H1000	59.7 C	3212	50,700 CUP
	H4831	54.3	3172	51,400 CUP
	H4350	50.0	3155	51,500 CUP
	H414	47.0	3059	50,700 CUP

BULLET	POWDER	GR	VEL	CUP
	VARGET	44.0	3125	51,400 CUP
	H4895	43.0	3072	51,000 CUP
120 GR. SFT SP				**COL: 3.150"**
	RETUMBO	60.0C	2991	50,300 CUP
	H1000	55.5	2902	50,600 CUP
	H4831	51.5	2856	51,200 CUP
	H4350	47.5	2816	50,900 CUP
	VARGET	41.0	2755	51,900 CUP
	H4895	40.0	2694	51,700 CUP

257 WEATHERBY MAGNUM

CASE: WEATHERBY
BBL: 26" **PR: FEDERAL 215**

100 GR. NOS PART				**COL: 3.185"**
	H870	80.0	3463	53,000 CUP
	H1000	71.0	3351	46,900 CUP
	H4831	68.0	3436	52,300 CUP
	H4350	62.0	3319	51,200 CUP
120 GR. SPR SP				**COL: 3.170"**
	H870	76.0	3240	53,200 CUP
	H1000	68.0	3231	50,800 CUP
	H4831	65.0	3220	51,500 CUP

260 REMINGTON

CASE: REMINGTON
BBL: 24" **PR: REMINGTON 9 1/2**

95 GR. HDY V-MAX				**COL: 2.780"**
	H4350	49.7	3284	58,100 PSI
	H414	49.0	3313	58,600 PSI
	H380	47.0	3262	59,500 PSI
	VARGET	42.0	3244	58,500 PSI
	BL-C(2)	43.5	3236	58,300 PSI
	H335	38.3	3114	58,000 PSI
	H4895	40.8	3225	58,500 PSI
	BENCHMARK	43.5	3391	59,600 PSI
120 GR. SPR SP				**COL: 2.780"**
	H1000	51.0 C	2810	49,300 PSI
	H4831	50.0 C	2954	59,200 PSI
	H4350	46.5	2960	58,200 PSI
	H414	45.5	2968	58,624 PSI
	H380	43.0	2844	58,100 PSI
	VARGET	39.0	2877	58,300 PSI
	BL-C(2)	40.0	2840	58,900 PSI
	H335	36.7	2755	58,600 PSI
	H4895	38.0	2813	58,900 PSI
	BENCHMARK	40.0	2935	59,500 CUP
140 GR. NOS PART				**COL: 2.780"**
	H1000	50.5	2730	57,000 PSI
	H4831	45.7	2686	59,000 PSI
	H4350	42.0	2677	58,800 PSI
	H414	41.0	2656	58,800 PSI
	H380	40.0	2594	58,900 PSI
	VARGET	36.0	2578	59,400 PSI
	BL-C(2)	36.6	2557	59,000 PSI
	H4895	34.3	2517	58,400 PSI

BULLET	POWDER	GR	VEL	CUP

6.5 X 55MM SWEDISH MAUSER

CASE: WINCHESTER
BBL: 24" **PR: WINCHESTER LR**

120 GR. NOS BT				**COL: 3.000"**
	H4831	49.5 C	2802	45,900 CUP
	H4350	46.0	2792	45,800 CUP
	H414	44.5	2783	46,000 CUP
	H380	44.3	2784	46,000 CUP
	VARGET	39.0	2812	45,300 CUP
	H4895	37.8	2715	46,000 CUP
140 GR. SPR SP				**COL: 3.030"**
	H1000	51.5 C	2651	46,000 CUP
	H4831	47.0	2586	45,700 CUP
	H4350	44.0	2617	45,700 CUP
	H414	41.5	2565	45,600 CUP
	H380	40.5	2520	45,100 CUP
	VARGET	36.0	2528	46,000 CUP
	H4895	35.8	2493	45,700 CUP

6.5MM REMINGTON MAGNUM

CASE: REMINGTON
BBL: 26" **PR: REMINGTON 9 1/2 M**

100 GR. HDY SP				**COL: 2.940"**
	H4831	60.0	3416	48,100 CUP
	H4350	55.0	3327	51,700 CUP
	H414	56.0	3466	52,600 CUP
	H380	54.0	3459	52,800 CUP
	H4895	50.0	3475	52,200 CUP
120 GR. SPR SP				**COL: 2.790"**
	H4831	59.0	3286	51,000 CUP
	H4350	52.0	3080	51,200 CUP
	H414	51.0	3099	51,700 CUP
	H380	49.0	3059	50,900 CUP
	H4895	46.0	3081	50,900 CUP
140 GR. NOS PART				**COL: 2.790"**
	H4831	54.0	2943	51,400 CUP
	H4350	49.0	2780	51,200 CUP
	H414	46.0	2743	51,100 CUP
	H380	44.0	2666	51,200 CUP
	H4895	42.0	2752	49,200 CUP

264 WINCHESTER MAGNUM

CASE: WINCHESTER
BBL: 26" **PR: WINCHESTER LR**

120 GR. SPR SP				**COL: 3.300"**
	H1000	72.0	3185	49,000 CUP
	H4831	65.0	3369	52,100 CUP
	H4350	57.0	3190	52,900 CUP
140 GR. NOS PART				**COL: 3.260"**
	H870	73.0	3163	54,200 CUP
	H1000	68.0	3019	51,500 CUP
	H4831	61.0	3065	52,000 CUP
	H4350	53.0	2965	53,400 CUP

BULLET	POWDER	GR	VEL	CUP
270 WINCHESTER				**CASE: WINCHESTER**
BBL: 24"				**PR: WINCHESTER LR**
130 GR. HDY SP				**COL: 3.280"**
H1000	64.0 C	3025	48,100 CUP	
H4831	60.0 C	3019	51,000 CUP	
H4350	54.3	3012	50,500 CUP	
H414	53.5	3003	50,800 CUP	
H380	49.8	2884	51,000 CUP	
VARGET	46.0	2931	49,600 CUP	
H4895	45.0	2922	51,000 CUP	
140 GR. SFT SP				**COL: 3.280"**
H1000	63.0 C	2979	50,800 CUP	
H4831	58.0 C	2888	50,100 CUP	
H4350	52.0	2870	50,400 CUP	
H414	48.9	2788	49,800 CUP	
VARGET	43.7	2772	50,500 CUP	
H4895	42.6	2768	50,600 CUP	
150 GR. HDY SP				**COL: 3.285"**
H1000	59.0 C	2831	51,000 CUP	
H4831	55.7	2804	51,200 CUP	
H4350	49.0	2724	51,000 CUP	
H414	48.0	2706	51,200 CUP	

270 WEATHERBY MAGNUM				**CASE: WEATHERBY**
BBL: 26"				**PR: CCI 250**
130 GR. SPR SP				**COL: 3.250"**
H870	80.0	3214		
H1000	81.0	3259		
H4831	70.0	3205		
H4350	66.0	3262		
150 GR. NOS PART				**COL: 3.250"**
H870	79.0	2943		
H1000	79.0	3132		
H4831	68.0	3057		
H4350	63.0	2986		

7-30 WATERS				**CASE: FEDERAL**
BBL: 24"				**PR: FEDERAL 210**
120 GR. NOS FP				**COL: 2.500"**
H4831	41.0	2561		
H4350	41.0	2724		
H414	42.0	2757		
H380	41.0	2735		
BL-C(2)	37.0	2701		
H335	34.0	2683		
H4895	34.0	2733		
H322	32.0	2687		
139 GR. HDY FP				**COL: 2.252"**
H4831	39.0	2384		
H4350	38.0	2418		
H414	38.0	2442		
H380	36.0	2396		
BL-C(2)	35.0	2373		
H335	32.0	2430		
H4895	31.0	2458		
H322	29.0	2342		

BULLET	POWDER	GR	VEL	CUP
7MM-08 REMINGTON				**CASE: REMINGTON**
BBL: 24"				**PR: REMINGTON 9 1/2**
120 GR. NOS BT				**COL: 2.800"**
H4350	50.0 C	3039	44,600 CUP	
H414	49.0	3023	47,600 CUP	
H380	48.0	2977	43,400 CUP	
VARGET	45.0	3117	49,900 CUP	
BL-C(2)	46.5	3109	50,100 CUP	
H335	42.0	2984	49,400 CUP	
H4895	43.7	3085	49,700 CUP	
BENCHMARK	41.3	2968	49,000 CUP	
140 GR. SFT SP				**COL: 2.750"**
H4350	48.0 C	2868	49,800 CUP	
H414	46.0	2791	49,500 CUP	
H380	45.7	2775	49,400 CUP	
VARGET	42.2	2819	49,800 CUP	
BL-C(2)	42.5	2796	49,700 CUP	
H335	37.5	2647	49,800 CUP	
H4895	40.5	2769	49,700 CUP	
BENCHMARK	38.3	2688	49,300 CUP	
150 GR. SIE HPBT				**COL: 2.800"**
H4350	48.5 C	2823	50,300 CUP	
H414	46.5	2776	50,000 CUP	
H380	45.5	2748	49,900 CUP	
VARGET	41.3	2731	50,000 CUP	
BL-C(2)	41.5	2699	49,600 CUP	
H335	37.5	2605	49,900 CUP	
H4895	40.5	2723	50,000 CUP	
BENCHMARK	38.5	2667	50,200 CUP	

7 X 57MM MAUSER				**CASE: WINCHESTER**
BBL: 24"				**PR: WINCHESTER LR**
120 GR. NOS BT				**COL: 3.000"**
H4831	52.5 C	2777	40,800 CUP	
H4350	51.0 C	2945	45,800 CUP	
H414	51.0	2938	45,600 CUP	
H380	47.5	2860	46,000 CUP	
VARGET	44.0	2979	46,000 CUP	
H4895	42.0	2859	45,400 CUP	
BENCHMARK	41.5	2863	46,000 CUP	
140 GR. NOS BT				**COL: 3.000"**
H4831	49.5 C	2719	46,000 CUP	
H4350	46.5	2682	46,000 CUP	
H414	47.0	2715	46,000 CUP	
H380	44.0	2614	46,000 CUP	
VARGET	37.7	2516	46,000 CUP	
H4895	37.5	2530	45,800 CUP	
BENCHMARK	38.0	2571	45,700 CUP	
168 GR. SIE HPBT				**COL: 3.000"**
H1000	52.0 C	2485	46,000 CUP	
H4831	46.0	2393	43,900 CUP	
H4350	42.5	2378	44,100 CUP	
H414	42.5	2378	45,000 CUP	
H380	39.5	2272	44,500 CUP	
VARGET	37.5	2404	45,500 CUP	

BULLET	POWDER	GR	VEL	CUP
	H4895	34.5	2211	42,600 CUP
	BENCHMARK	36.0	2336	46,000 CUP

280 REMINGTON

CASE: REMINGTON
BBL: 24" **PR: REMINGTON 9 1/2**

120 GR. BAR XFB				**COL: 3.200"**
	H4831	62.0 C	3112	48,600 CUP
	H4350	56.0	3114	48,400 CUP
	H414	54.5	3085	48,100 CUP
	H380	51.0	2952	48,700 CUP
	VARGET	47.2	3032	47,600 CUP
	BL-C(2)	46.5	2908	48,000 CUP
	H4895	47.0	3020	48,300 CUP
140 GR. NOS PART				**COL: 3.230"**
	H4831	58.5	2927	48,500 CUP
	H4350	53.5	2918	48,500 CUP
	H414	51.0	2867	47,900 CUP
	VARGET	45.5	2838	48,100 CUP
	H4895	45.2	2830	48,400 CUP
160 GR. SFT SP				**COL: 3.240"**
	H1000	61.0 C	2714	47,500 CUP
	H4831	55.0	2660	49,500 CUP
	H4350	49.5	2610	48,900 CUP
	H414	47.5	2558	49,700 CUP
	VARGET	42.5	2555	49,300 CUP
	H4895	41.5	2535	49,500 CUP

284 WINCHESTER

CASE: WINCHESTER
BBL: 22" **PR: WINCHESTER LR**

120 GR. SPR SP				**COL: 2.800"**
	H4831	59.0	3036	
	H4350	56.0	3090	
	H380	51.0	3023	
	BL-C(2)	48.0	2934	
	H335	47.0	2922	
	H4895	47.0	3104	
140 GR. SIE SP				**COL: 2.800"**
	H4831	58.0	2954	
	H4350	54.0	2957	
	H380	48.0	2856	
	H335	46.0	2869	
	H4895	45.0	2847	
162 GR. HDY BTSP				**COL: 2.905"**
	H870	63.0	2560	
	H4831	57.0	2803	
	H4350	52.0	2754	
	H414	50.0	2794	
	H380	46.0	2675	
	BL-C(2)	46.5	2754	47,000 CUP
	H335	44.0	2686	
	H4895	42.0	2641	

7MM REM. S.A. ULTRA MAG.

CASE: REMINGTON
BBL: 24" **PR: REMINGTON 9 1/2 M**

140 GR. NOS BT				**COL: 2.825"**
	H4831	64.5 C	3099	63,100 PSI
	H4350	60.0	3122	63,200 PSI
	H414	60.0	3153	62,900 PSI
	H380	57.5	3069	62,600 PSI
	VARGET	53.5	3068	62,300 PSI
160 GR. NOS PART				**COL: 2.825"**
	H1000	67.0 C	2931	63,300 PSI
	H4831	60.5	2900	62,600 PSI
	H4350	56.5	2914	63,100 PSI
	H414	56.0	2905	62,700 PSI
	H380	53.5	2824	62,700 PSI
175 GR. HDY SP				**COL: 2.825"**
	RETUMBO	66.0 C	2863	62,700 PSI
	H1000	65.5 C	2817	62,800 PSI
	H4831	58.0	2760	62,900 PSI
	H4350	54.5	2775	63,100 PSI
	H414	54.5	2778	63,200 PSI

7MM REM. MAGNUM

CASE: WINCHESTER
BBL: 24" **PR: WINCHESTER LR**

140 GR. NOS PART				**COL: 3.250"**
	RETUMBO	75.0 C	3107	49,400 CUP
	H1000	70.0	3036	50,600 CUP
	H4831	64.0	2950	50,200 CUP
	H4350	59.0	2927	50,000 CUP
	H414	60.2	2967	49,300 CUP
162 GR. HDY SPBT				**COL: 3.290"**
	H870	80.0	2883	43,300 CUP
	RETUMBO	73.5 C	2963	50,500 CUP
	H1000	70.0	2905	49,600 CUP
	H4831	64.0	2871	49,800 CUP
	H4350	58.0	2799	49,400 CUP
175 GR. NOS PART				**COL: 3.290"**
	H870	77.0	2782	46,300 CUP
	RETUMBO	68.0 C	2800	51,200 CUP
	H1000	64.5	2692	50,400 CUP
	H4831	58.0	2660	50,200 CUP
	H4350	54.0	2617	51,400 CUP

7MM WEATHERBY MAGNUM

CASE: REMINGTON
BBL: 24" **PR: FEDERAL 215 M**

140 GR. SFT SP				**COL: 3.250"**
	H1000	79.0 C	3273	49,900 CUP
	H4831	74.0	3258	54,000 CUP
	H4350	68.5	3248	54,000 CUP
160 GR. BAR XFB				**COL: 3.250"**
	H1000	75.0 C	2994	50,800 CUP
	H4831	70.0	2971	53,900 CUP
	H4350	65.0	2950	53,900 CUP
175 GR. HDY SP				**COL: 3.350"**
	H870	80.0	2843	44,300 CUP
	H1000	74.7 C	3022	54,000 CUP
	H4831	67.5	2895	53,400 CUP
	H4350	63.7	2899	53,600 CUP

BULLET	POWDER	GR	VEL	CUP
7MM SHOOTING TIMES WESTERNER				**CASE: FEDERAL**
BBL: 24"				**PR: FEDERAL 215 M**
145 GR. SPR SP				**COL: 3.565"**
	RETUMBO	81.5 C	3195	53,700 CUP
	H1000	77.0	3120	52,100 CUP
	H4831	72.0	3063	52,300 CUP
160 GR. SFT SP				**COL: 3.565"**
	H50BMG	90.0 C	2970	46,600 CUP
	H5010	86.0 C	2877	45,700 CUP
	H870	90.0	3097	46,100 CUP
	RETUMBO	80.2 C	3056	53,600 CUP
	H1000	80.7	3084	51,500 CUP
	H4831	74.0	3037	52,300 CUP
175 GR. NOS PART				**COL: 3.585"**
	H50BMG	89.0 C	2973	52,300 CUP
	H5010	85.0 C	2921	51,600 CUP
	H870	89.0	3059	51,800 CUP
	RETUMBO	77.0 C	2967	54,200 CUP
	H1000	74.0	2944	51,900 CUP
7MM REM. ULTRA MAG.				**CASE: REMINGTON**
BBL: 24"				**PR: REMINGTON 9 1/2 M**
140 GR. BAR XBT				**COL: 3.560"**
	H50BMG	107.0 C	3271	62,400 PSI
	H870	106.0	3349	60,300 PSI
	RETUMBO	96.5 C	3353	62,900 PSI
	H1000	95.0	3277	62,700 PSI
	H4831	87.0	3279	63,100 PSI
160 GR. NOS PART				**COL: 3.600"**
	H50BMG	100.0	3144	63,400 PSI
	H870	100.0	3214	63,100 PSI
	RETUMBO	94.0	3212	62,800 PSI
	H1000	91.0	3167	63,500 PSI
175 GR. SFT SP				**COL: 3.600"**
	H50BMG	96.0	3019	63,100 PSI
	H870	99.0	3093	62,500 PSI
	RETUMBO	91.5	3069	63,400 PSI
	H1000	87.0	3021	63,500 PSI
30 CARBINE				**CASE: WINCHESTER**
BBL: 20"				**PR: CCI 400**
85 GR. SIE RN				**COL: 1.625"**
	H4227	15.5 C	2181	30,700 CUP
	H110	17.5	2458	34,800 CUP
100 GR. SPR SP				**COL: 1.625"**
	LIL'GUN	15.0	2132	28,300 CUP
110 GR. HDY JRN				**COL: 1.680"**
	H4227	14.5 C	2003	38,800 CUP
	H110	15.0	2106	36,500 CUP
	LIL'GUN	15.0	2064	29,800 CUP
30-30 WINCHESTER				**CASE: WINCHESTER**
BBL: 24"				**PR: WINCHESTER LR**
150 GR. SIE FN				**COL: 2.550"**
	VARGET	34.5	2349	36,200 CUP
	BL-C(2)	37.0	2358	33,900 CUP
	H335	33.0	2308	36,200 CUP
	H4895	34.0	2390	36,700 CUP
	BENCHMARK	29.0	2183	37,200 CUP
	H4198	24.0	2110	36,800 CUP
170 GR. SIE FP				**COL: 2.550"**
	VARGET	33.0	2168	36,500 CUP
	BL-C(2)	36.0	2227	34,700 CUP
	H335	30.5	2086	36,300 CUP
	H4895	30.5	2138	35,200 CUP
	BENCHMARK	27.0	2001	36,100 CUP
	H4198	22.5	1918	32,600 CUP
30-40 KRAG				**CASE: WINCHESTER**
BBL: 24"				**PR: CCI 200**
150 GR. NOS PART				**COL: 3.090"**
	H4831	49.0	2306	
	H4350	49.0	2388	
	H414	47.0	2531	
	H380	44.0	2489	
	BL-C(2)	37.0	2491	
	H335	37.0	2508	
	H4895	42.0	2575	
	H322	40.0	2518	
	H4198	32.0	2366	
180 GR. SPR GS SP				**COL: 3.090"**
	H4350	46.0	2110	
	H414	43.0	2276	
	H380	40.0	2182	
	BL-C(2)	33.0	2006	
	H335	34.0	2049	
	H4895	38.0	2265	
	H322	37.0	2250	
300 SAVAGE				**CASE: REMINGTON**
BBL: 22"				**PR: REMINGTON 9 1/2**
150 GR. NOS PART				**COL: 2.520"**
	BL-C(2)	39.0	2574	
	H335	39.0	2545	
	H4895	40.0	2408	
180 GR. HDY SP				**COL: 2.600"**
	BL-C(2)	35.0	2069	
	H335	35.0	2074	
	H4895	37.0	2130	
307 WINCHESTER				**CASE: WINCHESTER**
BBL: 20"				**PR: WINCHESTER LR**
150 GR. HDY RN				**COL: 2.520"**
	H4831	49.0	2349	
	H4350	48.0	2453	
	H414	49.0	2562	
	H380	48.0	2543	
	BL-C(2)	46.0	2593	
	H335	44.0	2590	
	H4895	42.0	2604	
	H322	41.0	2513	

BULLET	POWDER	GR	VEL	CUP
180 GR. HDY RN				**COL: 2.730"**
	H4831	47.0	2289	
	H4350	47.0	2416	
	H414	46.0	2470	
	H380	45.0	2440	
	BL-C(2)	43.0	2474	
	H335	40.0	2417	
	H4895	39.0	2373	

308 WINCHESTER

CASE: WINCHESTER
BBL: 24" **PR: FEDERAL 210M**

150 GR. NOS BT				**COL: 2.800"**
	VARGET	47.0 C	2937	50,300 CUP
	BL-C(2)	48.0	2839	50,000 CUP
	H335	44.0	2787	51,200 CUP
	H4895	45.5	2870	51,000 CUP
	BENCHMARK	43.0	2752	49,000 CUP
	H322	40.0	2702	50,500 CUP
168 GR. SIE HPBT				**COL: 2.800"**
	VARGET	46.0 C	2731	50,600 CUP
	BL-C(2)	47.0	2754	50,200 CUP
	H335	42.0	2631	49,300 CUP
	H4895	43.5	2703	49,500 CUP
	BENCHMARK	42.0	2630	49,300 CUP
175 GR. SIE HPBT				**COL: 2.800"**
	H414	49.0	2629	50,100 CUP
	VARGET	45.0 C	2690	48,600 CUP
	BL-C(2)	46.0	2706	50,300 CUP
	H335	41.3	2592	50,100 CUP
	H4895	42.7	2647	49,000 CUP
	BENCHMARK	41.5	2590	50,800 CUP

30-06

CASE: WINCHESTER
BBL: 24" **PR: WINCHESTER LR**

150 GR. NOS BT				**COL: 3.250"**
	H4350	62.0 C	3068	48,400 CUP
	H414	60.0	2992	48,600 CUP
	H380	59.0	3005	45,900 CUP
	VARGET	51.0	2975	50,100 CUP
	BL-C(2)	54.0	2962	48,600 CUP
	H335	51.5	2982	49,200 CUP
	H4895	51.0	2976	48,500 CUP
	BENCHMARK	49.5	2944	49,300 CUP
165 GR. SIE SPBT				**COL: 3.300"**
	H4350	59.0	2938	49,400 CUP
	H414	56.5	2877	49,700 CUP
	H380	56.5	2892	50,000 CUP
	VARGET	50.5	2873	49,700 CUP
	BL-C(2)	51.0	2805	49,800 CUP
	H335	47.0	2749	49,300 CUP
	H4895	47.5	2782	49,000 CUP
	BENCHMARK	47.7	2795	49,300 CUP
180 GR. SIE SPBT				**COL: 3.300"**
	H4831	60.0	2710	44,300 CUP
	H4350	57.5	2798	49,300 CUP
	H414	55.5	2743	48,700 CUP
	H380	53.0	2682	48,700 CUP
	VARGET	47.0	2668	50,000 CUP
	BL-C(2)	48.5	2634	48,100 CUP
	H335	46.0	2621	49,200 CUP
	H4895	46.0	2638	48,800 CUP
	BENCHMARK	46.0	2660	49,000 CUP

300 H & H MAGNUM

CASE: WINCHESTER
BBL: 24" **PR: WINCHESTER LR**

150 GR. HDY SP				**COL: 3.560"**
	H4831	78.0	3313	
	H4350	71.0	3202	
	H414	65.0	3247	
165 GR. NOS PART				**COL: 3.560"**
	H4831	77.0	3099	
	H4350	69.0	3164	
	H414	63.0	3046	
200 GR. SIE HPBT				**COL: 3.655"**
	H870	83.0	2779	
	H4831	72.0	2932	
	H4350	66.0	2909	
	H414	56.0	2649	

300 REM. S.A. ULTRA MAG.

CASE: REMINGTON
BBL: 24" **PR: REMINGTON 9 1/2 M**

150 GR. SPR GSSP				**COL: 2.700"**
	H4350	65.5 C	3147	62,100 PSI
	H414	65.5	3201	62,800 PSI
	H380	63.0	3119	60,700 PSI
	VARGET	59.0	3148	63,200 PSI
	H4895	57.0	3147	62,800 PSI
180 GR. SFT SCIR				**COL: 2.825"**
	H4350	61.6 C	2907	63,500 PSI
	H414	60.5	2935	63,400 PSI
	VARGET	54.0	2842	63,600 PSI
	H4895	51.5	2823	64,700 PSI
200 GR. NOS PART				**COL: 2.825"**
	H4831	66.0 C	2755	63,300 PSI
	H4350	59.5 C	2751	63,200 PSI
	H414	59.5	2788	64,100 PSI

300 WIN. SHORT MAGNUM

CASE: WINCHESTER
BBL: 24" **PR: WINCHESTER LRM**

150 GR. SPR GSSP				**COL: 2.780"**
	H4350	67.0	3187	63,200 PSI
	H414	66.0	3204	63,300 PSI
	H380	64.0	3141	63,600 PSI
	VARGET	58.5	3140	63,800 PSI
	H4895	54.5	3078	63,100 PSI

BULLET	POWDER	GR	VEL	CUP
180 GR. SFT SCIR				**COL: 2.860"**
	H4831	70.0 C	2929	64,000 PSI
	H4350	64.0	2950	63,900 PSI
	H414	62.5	2959	63,000 PSI
	H380	61.0	2884	63,400 PSI
200 GR. SFT SP				**COL: 2.790"**
	H1000	72.0C	2737	57,200 PSI
	H4831	66.5C	2802	63,700 PSI
	H4350	62.0	2792	63,200 PSI
	H414	61.0	2803	63,200 PSI

300 WINCHESTER MAGNUM

CASE: WINCHESTER
BBL: 24" **PR: WINCHESTER LR**

150 GR. SIE SP				**COL: 3.340"**
	H1000	85.0 C	3255	52,200 CUP
	H4831	78.0	3207	52,700 CUP
	H4350	72.0	3205	52,500 CUP
	H414	68.0	3145	52,500 CUP
	H380	65.0	3031	52,200 CUP
	VARGET	60.0	3108	51,400 CUP
	H4895	61.0	3124	52,500 CUP
180 GR. SPR MT-SP				**COL: 3.285"**
	H870	89.0 C	2901	43,300 CUP
	H1000	81.0 C	3042	52,900 CUP
	H4831	73.0 C	2966	53,200 CUP
	H4350	67.0	2918	53,100 CUP
	H414	62.0	2845	52,300 CUP
200 GR. NOS PART				**COL: 3.340"**
	H870	85.0 C	2676	38,900 CUP
	RETUMBO	84.0 C	2962	52,300 CUP
	H1000	79.0 C	2883	52,800 CUP
	H4831	72.0 C	2825	53,100 CUP
	H4350	66.0	2753	51,700 CUP

300 WEATHERBY MAGNUM

CASE: REMINGTON
BBL: 24" **PR: FEDERAL 215 M**

150 GR. BAR XBT				**COL: 3.560"**
	H1000	88.0 C	3264	53,500 CUP
	H4831	79.0	3168	53,500 CUP
	H4350	72.5	3156	53,800 CUP
	H414	69.0	3099	53,800 CUP
	H380	67.0	3009	54,000 CUP
	VARGET	63.0	3142	54,300 CUP
	H4895	62.3	3098	53,400 CUP
180 GR. WIN FS				**COL: 3.560"**
	H1000	83.0 C	3111	54,600 CUP
	H4831	79.0	3013	54,600 CUP
	H4350	72.0	2974	54,600 CUP
200 GR. SFT				**COL: 3.510"**
	RETUMBO	85.5 C	2981	54,600 CUP
	H1000	85.0 C	2963	53,400 CUP
	H4831	77.5	2869	52,900 CUP
	H4350	71.0	2866	54,300 CUP

BULLET	POWDER	GR	VEL	CUP

300 REM. ULTRA MAG.

CASE: REMINGTON
BBL: 24" **PR: REMINGTON 9 1/2M**

150 GR. SIE SPBT				**COL: 3.530"**
	RETUMBO	106.0 C	3531	60,800 PSI
	H1000	102.0	3457	62,900 PSI
	H4831	94.0	3408	62,900 PSI
180 GR. SPR SPBT				**COL: 3.530"**
	H50BMG	108.0 C	3159	62,100 PSI
	H870	106.0	3206	58,200 PSI
	RETUMBO	100.5 C	3300	62,400 PSI
	H1000	96.0	3218	62,800 PSI
	H4831	89.0	3167	62,500 PSI
200 GR. BAR XFB				**COL: 3.530"**
	H50BMG	98.0 C	2910	63,100 PSI
	H870	104.0	3028	61,300 PSI
	RETUMBO	86.0	2988	62,800 PSI
	H1000	83.0	2850	62,800 PSI

30-378 WEATHERBY

CASE: WEATHERBY
BBL: 26" **PR: FEDERAL 215 M**

180 GR. SPR SPBT				**COL: 3.600"**
	H50BMG	120.0 C	3229	47,100 CUP
	H870	118.0	3333	46,700 CUP
	RETUMBO	113.0 C	3460	54,700 CUP
	H1000	111.0	3412	54,300 CUP
	H4831	100.0	3301	54,500 CUP
200 GR. BAR XFB				**COL: 3.645"**
	H50BMG	117.0 C	3227	54,800 CUP
	H5010	112.0 C	3124	52,700 CUP
	H870	116.0	3206	52,000 CUP
220 GR. NOS PART				**COL: 3.600"**
	H50BMG	118.5 C	3145	53,700 CUP
	H5010	114.0 C	3071	51,900 CUP
	H870	116.0	3180	53,500 CUP
	RETUMBO	107.5	3155	55,000 CUP
	H1000	104.0	3084	53,700 CUP

7.62 X 39MM RUSSIAN

CASE: MIDWAY
BBL: 24" **PR: CCI 200**

125 GR. SPR SP				**COL: 2.150"**
	BL-C(2)	31.5	2349	38,800 CUP
	H335	31.5	2408	40,900 CUP
	H4895	29.0	2249	33,600 CUP
	H322	29.0	2323	35,400 CUP
	H4198	26.5	2378	40,400 CUP
150 GR. HDY SP				**COL: 2.220"**
	BL-C(2)	29.5	2090	40,400 CUP
	H335	29.0	2132	42,500 CUP
	H4895	28.0	2154	39,300 CUP
	H322	28.5	2192	40,400 CUP
	H4198	24.5	2122	39,800 CUP

303 BRITISH

CASE: REMINGTON
BBL: 24" **PR: FEDERAL 210**

150 GR. HDY SP				**COL: 3.035"**
	H4831	49.0	2295	

BULLET	POWDER	GR	VEL	CUP
	H4350	48.0	2501	
	H414	48.0	2482	
	H380	44.0	2443	
	H335	48.0	2729	
	H4895	42.0	2479	
180 GR. SIE SP				**COL: 3.075"**
	H4831	47.0	2238	
	H4350	46.0	2333	
	H414	46.0	2304	
	H380	42.0	2276	
	H335	41.0	2323	
	H4895	40.0	2295	

32 WINCHESTER SPECIAL

CASE: WINCHESTER
BBL: 20" **PR: CCI 200**

170 GR. SPR FP				**COL: 2.560"**
	BL-C(2)	32.0	1964	
	H335	32.0	1960	
	H4895	33.0	1941	
	H4198	27.0	2168	

32-40 WINCHESTER

CASE: WINCHESTER
BBL: 24" **PR: REMINGTON 2 1/2**

196 GR. HOCH				**COL: 2.555"**
	H4227	13.0	1367	18,000 CUP
	H110	12.0	1376	19,200 CUP
	LIL'GUN	9.3	1237	19,600 CUP
202 GR. POPE				**COL: 2.555"**
	H4227	14.0	1376	15,900 CUP
	H110	13.0	1386	17,900 CUP
	LIL'GUN	9.5	1264	20,100 CUP
204 GR. MILLER				**COL: 2.555"**
	H4227	13.5	1367	16,300 CUP
	H110	13.0	1369	17,900 CUP
	LIL'GUN	10.8	1310	20,100 CUP

8 X 57MM MAUSER

CASE: REMINGTON
BBL: 24" **PR: REMINGTON 9 1/2**

150 GR. SIE SP				**COL: 3.050"**
	H4831	57.0	2452	
	H4350	54.0	2552	
	H414	56.0	2773	
	H380	54.0	2778	
	BL-C(2)	46.0	2553	
	H335	49.0	2744	
	H4895	50.0	2747	
	H322	46.0	2726	
	H4198	41.0	2848	
170 GR. SPR SP				**COL: 2.890"**
	H4831	57.0	2418	
	H4350	54.0	2507	
	H414	53.0	2586	
	H380	49.0	2509	
	BL-C(2)	45.0	2421	
	H335	46.0	2470	
	H4895	46.0	2501	

BULLET	POWDER	GR	VEL	CUP
	H322	44.0	2555	

8MM REMINGTON MAGNUM

CASE: REMINGTON
BBL: 24" **PR: REMINGTON 9 1/2 M**

180 GR. BAR XFB				**COL: 3.600"**
	H870	91.0	2939	
	H4831	80.0	3024	
	H4350	75.0	3007	
220 GR. HDY SP				**COL: 3.600"**
	H870	90.0	2856	
	H4831	78.0	2871	

338-06

CASE: REMINGTON (REF)
BBL: 24" **PR: CCI 200**

200 GR. BAR XFB				**COL: 3.340"**
	H4350	65.0	2710	
	H414	63.0	2802	
250 GR. SIE SPBT				**COL: 3.340"**
	H4831	61.0	2408	
	H4350	60.0	2569	
	H414	60.0	2583	

338 WINCHESTER MAGNUM

CASE: WINCHESTER
BBL: 24" **PR: WINCHESTER LRM**

185 GR. BAR XBT				**COL: 3.280"**
	H4831	74.0	2969	52,600 CUP
	H4350	68.5	2971	51,600 CUP
	H414	67.5	2946	52,000 CUP
	H380	67.0	2943	52,700 CUP
	VARGET	57.0	2841	52,400 CUP
	H4895	58.5	2886	52,000 CUP
210 GR. NOS PART				**COL: 3.280"**
	H4831	75.5 C	2888	52,300 CUP
	H4350	70.0	2855	51,800 CUP
	H414	67.0	2848	51,800 CUP
	H380	66.0	2797	53,000 CUP
	VARGET	58.5	2784	52,500 CUP
	H4895	60.0	2788	53,000 CUP
250 GR. HDY SP				**COL: 3.340"**
	H1000	76.0 C	2622	46,500 CUP
	H4831	71.5 C	2655	52,300 CUP
	H4350	67.5	2657	51,900 CUP
	H414	65.0	2622	52,900 CUP

340 WEATHERBY MAGNUM

CASE: WEATHERBY
BBL: 26" **PR: FEDERAL 215**

200 GR. SPR SP				**COL: 3.560"**
	H4831	90.0	3040	
	H4350	80.0	2994	
250 GR. SIE SPBT				**COL: 3.560"**
	H870	92.0	2524	
	H4831	83.0	2784	
	H4350	76.0	2724	

BULLET	POWDER	GR	VEL	CUP
338 REMINGTON ULTRA MAG				
CASE: REMINGTON				
BBL: 24"			**PR: REMINGTON 9 1/2M**	
200 GR. SPR SP				**COL: 3.590"**
	H1000	102.0 C	3127	58,600 PSI
	H4831	96.5	3138	63,000 PSI
	H4350	89.5	3156	63,000 PSI
	H414	84.0	3089	63,100 PSI
225 GR. NOS PART				**COL: 3.550"**
	RETUMBO	103.0 C	3055	61,100 PSI
	H1000	100.0 C	3058	63,000 PSI
	H4831	93.5	2977	63,000 PSI
	H4350	86.0	2976	62,600 PSI
250 GR. HDY SP				**COL: 3.580"**
	RETUMBO	101.0	2964	64,500 PSI
	H1000	98.0 C	2923	62,400 PSI
	H4831	90.0	2858	62,500 PSI
	H4350	79.0	2707	53,100 PSI
338-378 WEATHERBY				**CASE: WEATHERBY**
BBL: 26"				**PR: FEDERAL 215 M**
210 GR. NOS PART				**COL: 3.740"**
	RETUMBO	123.0 C	3362	54,000 CUP
	H1000	113.0	3192	53,500 CUP
	H4831	103.0	3154	54,000 CUP
	H4350	96.5	3176	54,000 CUP
225 GR. NOS PART				**COL: 3.700"**
	RETUMBO	119.0 C	3244	54,300 CUP
	H1000	111.0	3112	53,800 CUP
	H4831	104.0	3107	54,000 CUP
	H4350	95.5	3100	53,900 CUP
275 GR. SFT SP				**COL: 3.640"**
	H50BMG	120.0 C	2843	51,000 CUP
	H870	120.0	2893	47,000 CUP
	RETUMBO	110.5 C	2934	52,500 CUP
	H1000	106.0	2837	53,700 CUP
	H4831	98.0	2800	53,900 CUP
357 MAGNUM (RIFLE)				**CASE: WINCHESTER**
BBL: 18.5"				**PR: WINCHESTER SPM**
158 GR. HDY XTP				**COL: 1.580"**
	H4227	16.0	1668	42,600 CUP
	H110	16.7	1757	40,700 CUP
	HS-6	9.5	1427	41,900 CUP
	UNIVERSAL	6.3	1147	39,300 CUP
	HP-38	6.9	1214	40,000 CUP
	TITEGROUP	6.1	1184	41,900 CUP
180 GR. NOS PART				**COL: 1.575"**
	H4227	13.7	1325	40,900 CUP
	H110	13.5	1381	39,100 CUP
35 REMINGTON				**CASE: REMINGTON**
BBL: 24"				**PR: REMINGTON 9 1/2**
180 GR. SPR FN				**COL: 2.470"**
	VARGET	40.5	2196	32,500 CUP
	BL-C(2)	43.0	2147	32,300 CUP

BULLET	POWDER	GR	VEL	CUP
	H335	37.5	2111	33,600 CUP
	H4895	39.0	2232	33,100 CUP
	BENCHMARK	35.5	2034	32,300 CUP
	H322	35.0	2104	33,100 CUP
	H4198	32.0	2172	33,000 CUP
200 GR. HDY RN				**COL: 2.510"**
	VARGET	39.5	2139	33,300 CUP
	BL-C(2)	41.5	2011	31,700 CUP
	H335	37.0	2048	33,200 CUP
	H4895	38.5	2110	32,300 CUP
	BENCHMARK	35.5	1984	32,600 CUP
	H322	33.8	1987	33,100 CUP
	H4198	30.5	1999	31,700 CUP
356 WINCHESTER				**CASE: WINCHESTER**
BBL: 20"				**PR: WINCHESTER LR**
200 GR. SIE RN				**COL: 2.550"**
	BL-C(2)	50.0	2243	
	H335	49.0	2269	
	H4895	46.0	2338	
	H322	44.0	2340	
	H4198	40.0	2383	
250 GR. HDY RN				**COL: 2.775"**
	BL-C(2)	48.0	2163	
	H335	46.0	2151	
	H4895	43.0	2128	
	H322	41.0	2106	
	H4198	37.0	2133	
358 WINCHESTER				**CASE: WINCHESTER**
BBL: 26"				**PR: WINCHESTER LR**
220 GR. SPR FP				**COL: 2.565"**
	BL-C(2)	48.0	2461	
	H335	48.0	2464	
	H4198	41.0	2502	
250 GR. HDY RN				**COL: 2.775"**
	BL-C(2)	48.0	2374	
	H335	46.0	2299	
	H4198	39.0	2312	
35 WHELEN				**CASE: REMINGTON**
BBL: 24"				**PR: REMINGTON 9 1/2**
200 GR. SIE RN				**COL: 3.050"**
	H380	61.0	2602	45,000 CUP
	VARGET	57.0	2653	42,300 CUP
	BL-C(2)	63.0	2807	49,000 CUP
	H335	55.0	2684	50,000 CUP
	H4895	57.0	2689	49,000 CUP
	H322	56.0	2691	48,500 CUP

BULLET	POWDER	GR	VEL	CUP
250 GR. HDY SP				**COL: 3.220"**
	H380	59.0	2416	44,500 CUP
	VARGET	55.0	2486	49,900 CUP
	BL-C(2)	59.0	2503	48,900 CUP
	H335	52.0	2404	50,000 CUP
	H4895	53.0	2455	50,000 CUP
	H322	52.0	2398	48,500 CUP

38-55 WINCHESTER
BBL: 24" — **CASE: WINCHESTER** **PR: CCI 200**

255 GR. BAR JFP				**COL: 2.620"**
	H322	33.0	1830	28,200 CUP
	H4198	28.0	1788	26,700 CUP

375 WINCHESTER
BBL: 24" — **CASE: WINCHESTER** **PR: WINCHESTER LR**

220 GR. HDY JFP				**COL: 2.500"**
	H322	38.5 C	2236	48,900 CUP
	H4198	34.0	2233	49,300 CUP

376 STEYR
BBL: 24" — **CASE: HORNADY** **PR: FED. 215M**

225 GR. HDY SP				**COL: 3.070"**
	VARGET	68.0 C	2767	52,400 PSI
	BL-C(2)	70.0	2709	44,300 PSI
	H335	68.5	2910	60,100 PSI
	H4895	68.0 C	2892	58,200 PSI
	BENCHMARK	67.0 C	2890	59,700 PSI
	H322	63.0	2839	59,900 PSI
270 GR. HDY SP				**COL: 3.060"**
	VARGET	65.5 C	2610	60,100 PSI
	BL-C(2)	66.0	2544	53,100 PSI
	H335	60.0	2547	59,900 PSI
	H4895	62.0 C	2580	59,400 PSI
	BENCHMARK	59.0	2549	59,500 PSI
	H322	57.0	2517	59,600 PSI
300 GR. SFT SP				**COL: 3.080"**
	VARGET	62.6 C	2410	59,700 PSI
	BL-C(2)	62.0	2368	59,900 PSI
	H335	57.5	2324	60,300 PSI
	H4895	59.5	2388	60,200 PSI
	BENCHMARK	56.5	2343	69,900 PSI
	H322	55.0	2322	60,000 PSI

375 H&H MAGNUM
BBL: 24" — **CASE: WINCHESTER** **PR: FEDERAL 215 M**

235 GR. SPR SP				**COL: 3.600"**
	H414	83.0	2749	42,600 CUP
	H380	81.0	2835	46,800 CUP
	VARGET	70.0	2819	51,200 CUP
	BL-C(2)	85.0	2964	47,100 CUP
	H335	74.0	2853	50,000 CUP
	H4895	74.0	2895	50,400 CUP
270 GR. WIN FS				**COL: 3.600"**
	H4350	83.0 C	2694	46,800 CUP
	H414	78.0	2576	45,500 CUP
	H380	78.0	2632	46,600 CUP
	VARGET	67.0	2620	51,600 CUP
	H4895	68.0	2624	50,500 CUP
300 GR. SIE SPBT				**COL: 3.600"**
	H4350	81.5 C	2645	49,500 CUP
	H414	78.0	2548	46,800 CUP
	VARGET	62.0	2454	49,300 CUP
	H4895	65.0	2505	50,400 CUP

375 REM. ULTRA MAG
BBL: 24" — **CASE: REMINGTON** **PR: REMINGTON 9 1/2M**

250 GR. BAR XFB				**COL: 3.600"**
	H4831	103.0	3090	62,700 PSI
	H4350	94.5	3010	62,700 PSI
	H414	93.5	3006	62,700 PSI
270 GR. HDY SP				**COL: 3.550"**
	H4831	104.0 C	2922	62,900 PSI
	H4350	95.0	2932	62,600 PSI
	H414	93.0	2924	63,000 PSI
300 GR. SFT SP				**COL: 3.550"**
	H1000	105.0 C	2678	57,600 PSI
	H4831	97.0 C	2719	62,500 PSI
	H4350	90.0	2733	62,700 PSI

378 WEATHERBY MAGNUM
BBL: 26" — **CASE: WEATHERBY** **PR: FEDERAL 215**

270 GR. HDY SP				**COL: 3.645"**
	H4831	115.0	3102	
	H4350	105.0	3091	
300 GR. NOS PART				**COL: 3.680"**
	H870	120.0	2620	
	H4831	112.0	2926	
	H4350	100.0	2940	

416 REMINGTON MAGNUM
BBL: 24" — **CASE: REMINGTON** **PR: REMINGTON 9 1/2 M**

350 GR. SPR SP				**COL: 3.590"**
	VARGET	82.0	2622	52,400 CUP
	BL-C(2)	87.0	2580	44,700 CUP
	H335	82.0	2572	50,900 CUP
	H4895	80.0	2601	52,200 CUP
400 GR. HDY JRN				**COL: 3.560"**
	H4350	88.0 C	2395	46,400 CUP
	H380	84.0	2367	48,500 CUP
	VARGET	77.0	2407	53,000 CUP
	BL-C(2)	83.0	2420	50,500 CUP
	H4895	76.0	2391	53,300 CUP

44-40 WINCHESTER
BBL: 20" — **CASE: WINCHESTER** **PR: WINCHESTER LP**

200 GR. LEAD RNFP				**COL: 1.600"**
	UNIVERSAL	7.3	1069	11,100 PSI
	HP-38	6.5	1020	12,400 PSI
	TITEGROUP	6.2	1117	12,900 PSI
	CLAYS	5.0	924	11,700 PSI

BULLET	POWDER	GR	VEL	CUP

44 MAGNUM (RIFLE)
BBL: 20" — **CASE: WINCHESTER** — **PR: REMINGTON 2 1/2**

240 GR. NOS JHP				**COL: 1.600"**
	H4227	24.0	1778	36,100 CUP
	H110	24.0	1817	36,200 CUP
270 GR. SPR GDSP				**COL: 1.600"**
	H4227	22.5	1638	37,400 CUP
	H110	21.5	1637	37,700 CUP
300 GR. HDY XTP				**COL: 1.600"**
	H4227	20.0	1452	38,600 CUP
	H110	19.0	1473	38,800 CUP

444 MARLIN
BBL: 24" — **CASE: REMINGTON** — **PR: REMINGTON 9 1/2**

240 GR. SIE JHP				**COL: 2.535"**
	H335	56.0	2222	38,900 CUP
	H4895	53.0 C	2069	33,100 CUP
	BENCHMARK	55.0 C	2234	40,600 CUP
	H322	52.0 C	2185	35,900 CUP
	H4198	49.2 C	2499	42,100 CUP
265 GR. HDY JFP				**COL: 2.550"**
	H335	56.0	2187	39,700 CUP
	H4895	53.0 C	2080	34,800 CUP
	BENCHMARK	53.0 C	2139	40,700 CUP
	H322	52.0 C	2164	38,300 CUP
	H4198	47.0	2273	41,100 CUP
300 GR. SFT HP				**COL: 2.620"**
	VARGET	50.0 C	1914	35,700 CUP
	H335	52.0	2023	42,300 CUP
	H4895	50.0 C	1931	35,600 CUP
	BENCHMARK	48.5	1993	41,900 CUP
	H322	48.0	2038	42,600 CUP
	H4198	42.5	2082	42,500 CUP

45-70 GOVERNMENT (TRAPDOOR RIFLE)
BBL: 24" — **CASE: WINCHESTER** — **PR: CCI 200**

300 GR. SIE HP				**COL: 2.525"**
	VARGET	63.0 C	2020	23,800 CUP
	H335	63.5	2143	27,400 CUP
	H4895	62.0 C	1974	21,000 CUP
	BENCHMARK	63.5 C	2113	27,400 CUP
	H322	60.0	2142	28,000 CUP
	H4198	55.0	2221	27,600 CUP
405 GR. CAST LFP				**COL: 2.540"**
	VARGET	50.0	1718	20,900 CUP
	H4895	48.0	1645	18,900 CUP
	BENCHMARK	50.0	1695	22,600 CUP
	H4198	31.0	1459	17,100 CUP

450 MARLIN
BBL: 24" — **CASE: HORNADY** — **PR: WINCHESTER LR**

350 GR. HDY JFP				**COL: 2.530"**
	BENCHMARK	59.0 C	2129	38,600 PSI
	H322	58.0 C	2196	42,300 PSI
	H4198	48.5	2119	42,200 PSI

BULLET	POWDER	GR	VEL	CUP

400 GR. SPR JFP				**COL: 2.520"**
	VARGET	57.0 C	1910	38,000 PSI
	H4895	56.0 C	1986	42,000 PSI
	H335	55.0	1953	41,600 PSI
	BENCHMARK	55.0 C	2010	42,500 PSI
	H322	52.5 C	2023	41,900 PSI
	H4198	45.5	1958	42,600 PSI

458 WINCHESTER MAGNUM
BBL: 24" — **CASE: WINCHESTER** — **PR: CCI 250**

350 GR. SPR SP				**COL: 3.105"**
	H4895	80.0 C	2496	38,700 CUP
	BENCHMARK	79.0 C	2468	42,400 CUP
	H322	80.0 C	2589	49,400 CUP
	H4198	72.0	2548	51,600 CUP
400 GR. SFT SP				**COL: 3.220"**
	VARGET	77.0 C	2310	38,800 CUP
	H4895	77.0 C	2349	42,500 CUP
	BENCHMARK	78.0 C	2343	46,600 CUP
	H322	76.0 C	2407	51,100 CUP
	H4198	67.0	2323	51,000 CUP
500 GR. HDY JRN				**COL: 3.310"**
	VARGET	74.0 C	2152	48,100 CUP
	H335	75.5	2163	50,300 CUP
	H4895	74.0 C	2161	50,300 CUP
	BENCHMARK	73.0 C	2123	50,300 CUP
	H322	69.5 C	2109	52,000 CUP
	H4198	58.5	1987	51,100 CUP

460 WEATHERBY MAGNUM
BBL: 26" — **CASE: WEATHERBY** — **PR: FEDERAL 215**

400 GR. BAR XFB				**COL: 3.710"**
	H4831	127.0	2565	
	H4350	118.0	2610	
	H414	117.0	2640	
	H380	110.0	2593	
	H4895	107.0	2589	
500 GR. HDY JRN				**COL: 3.710"**
	H4831	126.0	2469	
	H4350	115.0	2508	
	H414	116.0	2530	
	H380	108.0	2483	
	H4895	105.0	2478	

50 BROWNING MACHINE GUN
BBL: 45" — **CASE: FNB** — **PR: CCI 35**

655 GR. ADI FMJ				**COL: 5.450"**
	H50BMG	248.0	3029	
750 GR. HDY A-MAX				**COL: 5.450"**
	H50BMG	233.0	2800	
800 GR. BAR SOLID				**COL: 5.450"**
	H50BMG	225.0	2725	

PISTOL data

Hodgdon Powder
6231
HODGDON POWDER CO., INC.
SEP 24 2001
Your H-110 is the only powder I use in my 454 casull and all of my 44 magnum handguns.
Thanks for a great product.
Feel free to use this photo if you wish to.
9-20-01

PISTOL data

The loads shown in this section should be followed just as they are printed. These loads are like recipes. The closer they are followed, the better the resultant load.

Warnings

NEVER Exceed the Loads Listed in This Publication

For all brands of powders use only the components shown. If the reloader makes any changes in components or gets new lot numbers, he should begin again with the starting loads and work up to maximum cautiously.

The loads shown here are at maximum. Reduce them by 10% and work up to the load that works best for you.***NEVER EXCEED THE LISTED LOADS.***

H110 Loads should not be reduced more than 3%. Reduce H110 Loads 3% and work up from there. H110 if reduced too much will cause inconsistent ignition. In some cases it will lodge a bullet in the barrel, causing a hazardous situation (Barrel Obstruction). This may cause severe personal injury or death to users or bystanders.

DO NOT REDUCE H110 LOADS BY MORE THAN 3%.

40 S&W WARNING: This data is intended for use in firearms with barrels which fully support the cartridge in the chamber. Use of this data in firearms which do not fully support the cartridge may result in bulged cases, ruptured cases, case head separation, or other condition which may result in damage to the firearm and/or result in injury or death of the shooter and/or bystanders.

Brands

BAR Barnes
BER - Berger
BLX - Bull-X
FA - Freedom Arms
HDY - Hornady
NOS - Nosler
REM - Remington
SIE - Sierra
SFT - Swift
SPR - Speer
WIN - Winchester

Primers

LP - Large Pistol
LPM - Large Pistol Magnum
SP - Small Pistol
SPM - Small Pistol Magnum

Data

C - Compressed Powder Charge
PR - Primer
BBL - Barrel
COL - Cartridge Overall Length
REF - Reformed

Bullets

A-Max - Hornady Match
BR - Bench Rest
BT - Ballistic Tip
FMC - Full Metal Case
FMJ - Full Metal Jacket
FMJBT - Full Metal Jacket Boat Tail
FN - Flat Nose
FP - Flat Point
FPJ - Full Plated Jacket
FS - Fail Safe
GC - Gas Check
GDHP - Gold Dot Hollow Point
GDSP - Gold Dot Soft Point
GS - Grand Slam
HB - Hollow Base
HC - Hollow Cavity
HP - Hollow Point
HPBT - Hollow Point Boat Tail
HSP - Hollow Soft Point
JFP - Jacketed Flat Point
JHC - Jacketed Hollow Cavity
JHP - Jacketed Hollow Point
JRN - Jacketed Round Nose
JSP - Jacketed Soft Point
JSWC - Jacketed Semi-Wadcutter
LBBWC - Lead Bevel Base Wadcutter
LFP - Lead Flat Point
LHBWC - Lead Hollow Base Wadcutter
LRN - Lead Round Nose
LSWC - Lead Semi-Wadcutter
MK - Match King
MT-SP - Mag Tip Soft Point
PSPCL - Pointed Soft Point "Core-Lokt"
RN - Round Nose
SB - Solid Base
SJ - Short Jacket
SP - Soft Point, Spitzer, Spire Point
SPBT - Soft Point Boat Tail
ST - Silvertip
TMJ - Totally Metal Jacket
UCHP - Uni-cor Hollow Point
WC - Wadcutter
X - X Bullet
XFB - X Flat Base
XBT - X Boat Tail
XBTC - X Boat Tail Coated

BULLET	POWDER	GR	VEL	CUP
223 REMINGTON				**CASE: WINCHESTER**
BBL: 15"				**PR: WINCHESTER SR**
40 GR. NOS BT				**COL: 2.280"**
	VARGET	28.0 C	3069	47,200 CUP
	BL-C(2)	28.5	2910	45,400 CUP
	H335	28.0	3231	44,600 CUP
	H4895	27.5 C	3060	44,500 CUP
	BENCHMARK	27.3	3174	51,000 CUP
	H322	25.5	3087	48,000 CUP
	H4198	22.5	3014	49,600 CUP
50 GR. SPR SP				**COL: 2.210"**
	VARGET	27.5 C	2959	44,800 CUP
	BL-C(2)	28.0	2851	47,100 CUP
	H335	26.0	2834	51,700 CUP
	H4895	27.5 C	3024	51,300 CUP
	BENCHMARK	26.5	2953	50,400 CUP
	H322	24.0	2740	49,300 CUP
	H4198	21.5	2824	45,900 CUP
55 GR. SPR SP				**COL: 2.200"**
	VARGET	27.5 C	2972	49,700 CUP
	BL-C(2)	27.5	2816	48,500 CUP
	H335	25.3	2799	49,300 CUP
	H4895	26.0	2880	49,000 CUP
	BENCHMARK	25.6	2840	50,000 CUP
	H322	23.0	2638	48,900 CUP
	H4198	21.0	2719	47,600 CUP
25 ACP				**CASE: WINCHESTER**
BBL: 2"				**PR: FEDERAL 100M**
50 GR. SIE FMJ				**COL: .900"**
	UNIVERSAL	1.4	751	16,600 CUP
	HP-38	1.5	788	17,900 CUP
	TITEGROUP	1.3	752	17,200 CUP
7MM TCU				**CASE: FEDERAL (REF)**
BBL: 14"				**PR: FEDERAL 205**
120 GR. SPR SP				**COL: 2.410"**
	BL-C(2)	28.0	2047	
	H335	27.0	2035	
	H4895	26.0	2020	
	H322	26.0	2117	
	H4198	23.0	2075	
	H4227	18.0	1914	
139 GR. HDY SP				**COL: 2.625"**
	BL-C(2)	27.0	1979	
	H335	26.0	1946	
	H4895	25.0	2001	
	H322	24.0	1938	
	H4198	21.0	1904	
	H4227	16.5	1635	
7MM BR REMINGTON				**CASE: REMINGTON**
BBL: 14"				**PR: WINCHESTER SR**
120 GR. SIE SP				**COL: 2.284"**
	BL-C(2)	32.0	2342	
	H335	31.0	2376	
	H4895	31.0	2363	
	H322	29.0	2323	
	H4198	24.5	2250	

BULLET	POWDER	GR	VEL	CUP
139 GR. HDY SP				**COL: 2.330"**
	BL-C(2)	30.5	2142	
	H335	29.0	2103	
	H4895	28.5	2115	
	H322	26.5	2092	
	H4198	23.0	1977	
7MM-08 REMINGTON				**CASE: REMINGTON**
BBL: 15"				**PR: REMINGTON 9 1/2**
100 GR. BAR XFB				**COL: 2.650"**
	H380	49.0	2786	46,300 CUP
	VARGET	45.7	2931	49,600 CUP
	BL-C(2)	46.5	2873	50,000 CUP
	H335	41.2	2752	49,700 CUP
	H4895	45.0	2942	49,900 CUP
	BENCHMARK	42.5	2827	49,600 CUP
139 GR. HDY SP				**COL: 2.800"**
	H4350	50.0 C	2581	47,500 CUP
	H414	47.0	2451	44,100 CUP
	H380	47.0	2528	46,800 CUP
	VARGET	43.5	2612	50,000 CUP
	BL-C(2)	44.7	2572	49,900 CUP
	H335	40.0	2425	49,400 CUP
	H4895	42.5	2575	50,200 CUP
	BENCHMARK	40.5	2520	49,600 CUP
162 GR. HDY A-MAX				**COL: 2.875"**
	H4350	48.0 C	2472	49,800 CUP
	H414	45.0	2388	44,500 CUP
	H380	44.0	2369	45,800 CUP
	VARGET	41.0	2468	49,800 CUP
	H335	38.2	2338	50,100 CUP
	H4895	39.5	2429	49,800 CUP
	BENCHMARK	38.0	2394	49,200 CUP
30-30 WINCHESTER				**CASE: WINCHESTER**
BBL: 14"				**PR: WINCHESTER LR**
130 GR. SPR FP				**COL: 2.540"**
	VARGET	36.0 C	2238	35,700 CUP
	BL-C(2)	37.5	2101	32,800 CUP
	H4895	35.0	2194	35,300 CUP
	BENCHMARK	29.7	2020	37,100 CUP
150 GR. SIE FN				**COL: 2.550"**
	VARGET	34.5	2119	36,200 CUP
	BL-C(2)	37.0	2060	33,900 CUP
	H4895	34.0	2116	36,700 CUP
	BENCHMARK	29.0	1944	37,200 CUP
308 WINCHESTER				**CASE: WINCHESTER**
BBL: 15"				**PR: FEDERAL 210M**
130 GR. SPR HP				**COL: 2.615"**
	VARGET	50.0 C	2847	50,400 CUP
	BL-C(2)	51.5	2820	49,700 CUP
	H335	46.0	2755	49,700 CUP
	H4895	49.0 C	2831	50,100 CUP
	BENCHMARK	46.0	2767	50,100 CUP
	H322	43.0	2664	49,800 CUP
	H4198	37.0	2590	49,700 CUP
150 GR. NOS BT				**COL: 2.800"**
	VARGET	47.0 C	2675	50,300 CUP
	BL-C(2)	48.0	2614	50,000 CUP

BULLET	POWDER	GR	VEL	CUP
	H335	44.0	2541	51,200 CUP
	H4895	45.5	2649	51,000 CUP
	BENCHMARK	43.0	2596	49,000 CUP
	H322	40.0	2471	50,500 CUP
168 GR. SIE HPBT				**COL: 2.800"**
	VARGET	46.0 C	2580	50,600 CUP
	BL-C(2)	47.0	2531	50,200 CUP
	H335	42.0	2406	49,300 CUP
	H4895	43.5	2484	49,500 CUP
	BENCHMARK	42.0	2463	49,300 CUP

32 ACP

BBL: 4" — **CASE: WINCHESTER** — **PR: FEDERAL 100**

71 GR. SIE FMJ				**COL: .978"**
	UNIVERSAL	2.4	881	14,900 CUP
	HP-38	2.3	871	14,400 CUP
	TITEGROUP	2.2	910	14,800 CUP
	CLAYS	1.7	830	15,000 CUP

32 S&W LONG

BBL: 5.32" — **CASE: REMINGTON** — **PR: CCI 500**

85 GR. HDY JHP				**COL: 1.160"**
	UNIVERSAL	3.0	865	12,000 CUP
	HP-38	2.7	810	11,500 CUP
	TITEGROUP	2.4	819	11,300 CUP
90 GR. HDY LSWC				**COL: 1.850"**
	UNIVERSAL	2.7	844	10,200 CUP
	HP-38	2.4	831	11,300 CUP
	TITEGROUP	2.1	818	10,900 CUP

32 H&R MAGNUM

BBL: 5" — **CASE: FEDERAL** — **PR: FEDERAL 100**

85 GR. HDY HP				**COL: 1.290"**
	H4227	9.5	1151	21,000 CUP
	LIL'GUN	12.0	1263	16,800 CUP
	LONGSHOT	5.0	1167	20,200 CUP
	HS-6	5.6	1146	20,200 CUP
	UNIVERSAL	4.3	1123	19,000 CUP
	HP-38	3.8	1003	20,700 CUP
	TITEGROUP	3.7	1110	20,900 CUP
90 GR. SIE JHP				**COL: 1.340"**
	H4227	10.0	1079	17,000 CUP
	LIL'GUN	11.5	1227	18,000 CUP
	LONGSHOT	5.0	1139	19,500 CUP
	HS-6	6.0	1140	20,200 CUP
	UNIVERSAL	4.0	1072	20,000 CUP
	HP-38	4.0	1033	20,300 CUP
	TITEGROUP	3.6	1060	20,600 CUP
100 GR. SPR JHP				**COL: 1.345"**
	LONGSHOT	4.7	1056	19,300 CUP

32-20 WINCHESTER

BBL: 5.5" — **CASE: REMINGTON** — **PR: WINCHESTER SP**

85 GR. HDY JHP				**COL: 1.550"**
	LIL'GUN	8.0	1102	15,700 CUP
	TITEGROUP	3.5	961	15,900 CUP
100 GR. REM JFP				**COL: 1.580"**
	LIL'GUN	7.5	1018	15,700 CUP
	TITEGROUP	3.5	908	16,000 CUP

BULLET	POWDER	GR	VEL	CUP

380 AUTO

BBL: 3.75" — **CASE: REMINGTON** — **PR: CCI 500**

90 GR. HDY JHP				**COL: .955"**
	UNIVERSAL	3.6	955	15,700 CUP
	HP-38	3.5	957	15,400 CUP
	TITEGROUP	3.2	970	15,600 CUP
100 GR. HDY FMJ				**COL: .980"**
	UNIVERSAL	3.4	889	16,100 CUP
	HP-38	3.1	843	15,400 CUP
	TITEGROUP	3.0	912	14,700 CUP

9MM LUGER

BBL: 4" — **CASE: WINCHESTER** — **PR: CCI 500**

115 GR. SPR GDHP				**COL: 1.125"**
	LONGSHOT	6.0	1203	32,300 PSI
	HS-6	7.0	1234	29,400 CUP
	UNIVERSAL	5.0	1149	31,200 CUP
	HP-38	5.1	1167	28,100 CUP
	TITEGROUP	4.8	1158	30,500 CUP
	CLAYS	3.9	1095	32,600 CUP
125 GR. SIE FMJ				**COL: 1.090"**
	LONGSHOT	5.7	1162	33,400 PSI
	HS-6	6.8	1169	27,100 CUP
	UNIVERSAL	4.9	1118	30,600 CUP
	HP-38	4.8	1088	28,800 CUP
	TITEGROUP	4.4	1136	30,600 CUP
	CLAYS	3.7	1056	32,500 CUP
147 GR. HDY XTP				**COL: 1.100"**
	LONGSHOT	4.7	1004	33,800 PSI
	HS-6	5.0	885	27,900 CUP
	UNIVERSAL	3.3	869	31,000 CUP
	TITEGROUP	3.6	929	27,500 CUP

38 SUPER AUTO

BBL: 5" — **CASE: REMINGTON** — **PR: REMINGTON 1 1/2**

115 GR. HDY XTP				**COL: 1.245"**
	LONGSHOT	7.1	1301	31,600 CUP
	HS-6	8.5	1314	31,500 CUP
	UNIVERSAL	5.5	1225	32,300 CUP
	HP-38	6.1	1261	32,700 CUP
	TITEGROUP	5.3	1208	31,800 CUP
125 GR. SIE FMJ				**COL: 1.275"**
	LONGSHOT	6.9	1247	32,600 CUP
	HS-6	8.3	1271	32,100 CUP
	UNIVERSAL	5.5	1179	32,300 CUP
	HP-38	5.7	1159	31,200 CUP
	TITEGROUP	5.0	1124	31,800 CUP
130 GR. SIE FMJ				**COL: 1.275"**
	LONGSHOT	6.8	1215	32,000 CUP
	HS-6	8.2	1231	32,500 CUP
	UNIVERSAL	5.3	1124	32,200 CUP
	HP-38	5.5	1134	31,200 CUP
	TITEGROUP	4.9	1116	31,000 CUP
135 GR. NOS IPSC				**COL: 1.265"**
	LIL'GUN	12.8	1357	32,400 CUP
	LONGSHOT	6.1	1105	32,100 CUP

BULLET	POWDER	GR	VEL	CUP
38 SPECIAL				**CASE: WINCHESTER**
BBL: 7.7"				**PR: WINCHESTER SP**
125 GR. HDY XTP				**COL: 1.455"**
	HS-6	7.2	1048	16,600 CUP
	UNIVERSAL	5.2	1019	17,000 CUP
	HP-38	4.9	934	16,300 CUP
	TITEGROUP	4.6	1010	15,600 CUP
	CLAYS	3.9	937	16,100 CUP
140 GR. HDY XTP				**COL: 1.455"**
	HS-6	6.5	933	16,000 CUP
	UNIVERSAL	4.8	939	15,400 CUP
	HP-38	4.6	861	15,800 CUP
	TITEGROUP	4.2	919	15,800 CUP
	CLAYS	3.7	869	16,700 CUP
148 GR. HDY LHBWC				**COL: 1.160"**
	HS-6	5.2	943	14,300 CUP
	HP-38	4.0	956	15,900 CUP
	UNIVERSAL	3.8	940	15,600 CUP
	TITEGROUP	3.3	908	11,800 CUP
	CLAYS	2.5	836	13,200 CUP
158 GR. HDY XTP				**COL: 1.455"**
	H4227	10.0	864	15,500 CUP
	HS-6	6.2	862	16,300 CUP
	UNIVERSAL	4.4	778	16,200 CUP
	HP-38	4.3	779	15,900 CUP
	TITEGROUP	3.9	798	15,900 CUP
	CLAYS	3.1	721	16,600 CUP
38 SPECIAL +P				**CASE: WINCHESTER**
BBL: 7.7"				**PR: WINCHESTER SP**

NOTE: Loads are for use in modern arms in good condition. These loads should not be used in small frame, or aluminum frame revolvers, nor are they intended for auto pistols.

125 GR. HDY XTP				**COL: 1.455"**
	LONGSHOT	7.0	1228	18,300 PSI
	HS-6	7.8	1138	19,500 CUP
	UNIVERSAL	5.4	1072	18,900 CUP
	HP-38	5.3	1018	19,800 CUP
	TITEGROUP	5.0	1069	18,700 CUP
140 GR. HDY XTP				**COL: 1.455"**
	LONGSHOT	6.4	1126	17,700 PSI
	H4227	12.4	1121	19,400 CUP
	HS-6	7.0	992	18,300 CUP
	UNIVERSAL	5.1	1022	19,100 CUP
	HP-38	4.9	892	18,600 CUP
	TITEGROUP	4.6	984	19,300 CUP
158 GR. HDY XTP				**COL: 1.455"**
	LONGSHOT	5.5	965	17,000 PSI
	H4227	11.0	964	17,600 CUP
	HS-6	6.6	926	18,700 CUP
	UNIVERSAL	4.7	837	19,200 CUP
	HP-38	4.6	807	18,100 CUP
	TITEGROUP	4.3	905	19,300 CUP
357 SIG				**CASE: FEDERAL**
BBL: 4"				**PR: WINCHESTER SP**
124 GR. HDY XTP				**COL: 1.135"**
	LONGSHOT	9.3	1429	37,900 PSI
	HS-6	9.0	1339	38,700 PSI
	UNIVERSAL	5.8	1235	38,500 PSI
147 GR. HDY XTP				**COL: 1.140"**
	LONGSHOT	7.5	1254	38,700 PSI
	HS-6	7.6	1173	36,600 PSI
	UNIVERSAL	4.9	1062	36,300 PSI
357 MAGNUM				**CASE: WINCHESTER**
BBL: 10"				**PR: WINCHESTER SPM**
125 GR. HDY XTP				**COL: 1.590"**
	H4227	20.0	1839	42,000 CUP
	H110	22.0	1966	41,400 CUP
	LONGSHOT	9.7	1647	42,000 CUP
	HS-6	10.9	1629	42,100 CUP
	UNIVERSAL	7.6	1453	39,600 CUP
	HP-38	8.5	1514	42,700 CUP
	TITEGROUP	7.5	1497	41,200 CUP
146 GR. SPR JHP				**COL: 1.535"**
	H4227	16.0	1566	42,700 CUP
	H110	17.2	1691	42,600 CUP
	LONGSHOT	8.6	1483	42,600 CUP
	HS-6	9.5	1461	41,800 CUP
	UNIVERSAL	6.5	1261	39,900 CUP
	HP-38	7.1	1330	42,200 CUP
	TITEGROUP	6.6	1317	42,900 CUP
158 GR. HDY XTP				**COL: 1.580"**
	H4227	16.0	1520	42,600 CUP
	H110	16.7	1591	40,700 CUP
	LIL'GUN	18.0	1577	25,800 CUP
	LONGSHOT	8.4	1394	43,200 CUP
	HS-6	9.5	1375	41,900 CUP
	UNIVERSAL	6.3	1133	39,300 CUP
	HP-38	6.9	1220	40,000 CUP
	TITEGROUP	6.1	1229	41,900 CUP
180 GR. NOS PART				**COL: 1.575"**
	H4227	13.7	1308	40,900 CUP
	H110	13.5	1396	39,100 CUP
	LIL'GUN	15.0	1422	34,500 CUP
	LONGSHOT	7.2	1167	41,700 CUP
	TITEGROUP	5.5	1020	40,300 CUP
357 REMINGTON MAXIMUM				
REMINGTON				
BBL: 10"				**PR: REMINGTON 7 1/2**
160 GR. HDY JTC SIL				**COL: 1.890"**
	H4227	22.5	1814	
	H110	24.0	1886	
180 GR. SPR TMJ SIL				**COL: 1.990"**
	H4227	20.0	1645	
	H110	21.0	1694	
35 REMINGTON				**CASE: REMINGTON**
BBL: 14"				**PR: REMINGTON 9 1/2**
180 GR. SPR FN				**COL: 2.470"**
	VARGET	40.5	1998	32,500 CUP
	BL-C(2)	43.0	1954	32,300 CUP
	H335	37.5	1921	33,600 CUP
	H4895	39.0	2031	33,100 CUP
	BENCHMARK	35.5	1932	32,300 CUP
	H322	35.0	1915	33,100 CUP

BULLET	POWDER	GR	VEL	CUP
	H4198	32.0	1977	33,000 CUP
200 GR. HDY RN				**COL: 2.510"**
	VARGET	39.5	1797	33,300 CUP
	BL-C(2)	41.5	1689	31,700 CUP
	H335	37.0	1720	33,200 CUP
	H4895	38.5	1772	32,300 CUP
	BENCHMARK	35.5	1766	32,600 CUP
	H322	33.8	1670	33,100 CUP
	H4198	30.5	1680	31,700 CUP

9 X 18MM MAKAROV

BBL: 4" — **CASE: WINCHESTER** — **PR: WINCHESTER SP**

90 GR. SPR FP				**COL: .970"**
	UNIVERSAL	3.9	1022	23,000 PSI
	HP-38	4.0	1031	24,000 PSI
	TITEGROUP	3.7	1053	22,900 PSI
95 GR. HDY XTP				**COL: .965"**
	UNIVERSAL	4.0	1030	23,800 PSI
	HP-38	3.8	990	24,000 PSI
	TITEGROUP	3.6	1022	22,500 PSI
100 GR. SIE JFP				**COL: .970"**
	UNIVERSAL	4.0	996	23,600 PSI
	HP-38	3.8	969	23,500 PSI
	TITEGROUP	3.7	1011	23,500 PSI

375 JDJ

BBL: 14" — **CASE: REMINGTON (REF)** — **PR: FEDERAL 210M**

200 GR. SIE FP				**COL: 2.750"**
	H4895	52.0	2147	
	H322	50.0	2077	
300 GR. HDY RN				**COL: 2.970"**
	H4895	46.0	1951	
	H322	42.0	1773	

38-40 WINCHESTER

BBL: 5.5" — **CASE: WINCHESTER** — **PR: WINCHESTER LP**

180 GR. CAST LRNFP				**COL: 1.600"**
	UNIVERSAL	7.5	955	11,900 PSI
	HP-38	6.8	934	13,500 PSI
	TITEGROUP	6.4	990	13,300 PSI
	CLAYS	5.5	889	13,500 PSI

40 S&W

BBL: 4" — **CASE: HORNADY** — **PR: WINCHESTER SP**

WARNING: This data is intended for use in firearms with barrels which fully support the cartridge in the chamber. Use of this data in firearms which do not fully support the cartridge may result in bulged cases, ruptured cases, case head separation, or other condition which may result in damage to the firearm and/or result in injury or death of the shooter and/or bystanders.

135 GR. NOS JHP				**COL: 1.125"**
	LONGSHOT	12.0	1480	32,400 PSI
	HS-6	10.2	1321	33,600 PSI
	UNIVERSAL	7.5	1324	32,500 PSI
	HP-38	7.0	1244	33,100 PSI
	TITEGROUP	6.4	1251	33,200 PSI
	CLAYS	4.5	1071	32,900 PSI

BULLET	POWDER	GR	VEL	CUP
180 GR. HDY XTP				**COL: 1.125"**
	LONGSHOT	8.0	1159	32,300 PSI
	HS-6	6.9	976	32,500 PSI
	UNIVERSAL	5.8	1046	33,400 PSI
	HP-38	5.0	947	32,900 PSI
	TITEGROUP	4.7	978	33,300 PSI
	CLAYS	3.5	847	34,300 PSI
200 GR. HDY XTP				**COL: 1.125"**
	LONGSHOT	6.0	954	32,500 PSI
	HS-6	6.3	900	32,800 PSI
	UNIVERSAL	4.7	903	33,600 PSI
	HP-38	4.7	857	33,400 PSI
	TITEGROUP	3.8	822	31,700 PSI

10MM AUTO

BBL: 5" — **CASE: WINCHESTER** — **PR: WINCHESTER LP**

180 GR. SIE JHC				**COL: 1.260"**
	LONGSHOT	9.5	1287	34,600 PSI
	HS-6	9.4	1127	35,800 PSI
	UNIVERSAL	6.4	1122	32,200 PSI
	HP-38	5.8	1061	34,900 PSI
	TITEGROUP	6.0	1141	34,300 PSI
200 GR. HDY FMJ				**COL: 1.260"**
	LONGSHOT	8.2	1172	35,000 PSI
	HS-6	8.6	1089	35,900 PSI
	UNIVERSAL	5.9	1015	36,900 PSI
	HP-38	5.6	1011	35,700 PSI
	TITEGROUP	5.3	1024	36,100 PSI

41 REMINGTON MAGNUM

BBL: 10.125" — **CASE: REMINGTON** — **PR: WINCHESTER LP**

170 GR. SIE JHC				**COL: 1.575"**
	H4227	24.9	1745	35,600 CUP
	H110	26.5	1887	37,400 CUP
	LONGSHOT	12.5	1646	38,700 CUP
	HS-6	13.7	1597	37,200 CUP
	UNIVERSAL	10.3	1488	38,700 CUP
	HP-38	9.8	1440	38,300 CUP
	TITEGROUP	9.2	1470	37,700 CUP
220 GR. SPR JSP				**COL: 1.580"**
	H4227	20.0	1433	37,500 CUP
	H110	20.0	1563	31,200 CUP
	LIL'GUN	20.5	1626	29,900 CUP
	LONGSHOT	10.1	1311	37,700 CUP
	HS-6	11.3	1271	36,700 CUP
	UNIVERSAL	8.5	1178	38,600 CUP
	HP-38	8.0	1125	36,700 CUP
	TITEGROUP	7.3	1127	33,700 CUP

44 S&W SPECIAL

BBL: 8" — **CASE: STARLINE** — **PR: WINCHESTER LP**

185 GR. CAST LRNFP				**COL: 1.400"**
	UNIVERSAL	6.4	1031	13,900 CUP
	HP-38	5.6	953	12,500 CUP
	TITEGROUP	5.5	1025	11,600 CUP
	CLAYS	4.2	930	13,200 CUP
240 GR. CAST LSWC				**COL: 1.450"**
	H4227	13.2	947	12,600 CUP
	HS-6	8.0	917	13,000 CUP
	UNIVERSAL	5.6	873	13,300 CUP

BULLET	POWDER	GR	VEL	CUP
	HP-38	5.2	858	13,200 CUP
	TITEGROUP	4.8	862	13,100 CUP
	CLAYS	4.0	771	13,500 CUP

44-40 WINCHESTER

BBL: 6" — **CASE: WINCHESTER** — **PR: WINCHESTER LP**

200 GR. CAST LRNFP				**COL: 1.600"**
	UNIVERSAL	7.3	777	11,100 PSI
	HP-38	6.5	820	12,400 PSI
	TITEGROUP	6.2	901	12,900 PSI
	CLAYS	5.0	765	11,700 PSI

44 REMINGTON MAGNUM

BBL: 8.275" — **CASE: WINCHESTER** — **PR: REMINGTON 2 1/2**

200 GR. NOS JHP				**COL: 1.600"**
	H4227	27.0	1686	37,800 CUP
	H110	28.5	1806	37,800 CUP
	LIL'GUN	29.5	1794	36,200 CUP
	LONGSHOT	14.3	1534	34,600 PSI
	HS-6	16.7	1569	37,700 CUP
	UNIVERSAL	11.1	1398	38,300 CUP
	HP-38	11.9	1444	37,400 CUP
	TITEGROUP	10.8	1433	38,400 CUP
240 GR. NOS JHP				**COL: 1.600"**
	H4227	24.0	1458	36,100 CUP
	H110	24.0	1522	36,200 CUP
	LIL'GUN	24.5	1582	38,100 CUP
	HS-7	16.5	1394	38,200 CUP
	LONGSHOT	12.1	1331	34,500 PSI
	HS-6	15.1	1417	38,200 CUP
	UNIVERSAL	10.2	1246	38,200 CUP
	HP-38	11.0	1272	37,800 CUP
	TITEGROUP	10.0	1292	37,700 CUP
300 GR. HDY XTP				**COL: 1.600"**
	H4227	20.0	1312	38,600 CUP
	H110	19.0	1325	38,800 CUP
	LIL'GUN	17.7	1280	37,600 CUP
	HS-7	14.0	1214	37,300 CUP
	LONGSHOT	9.5	1071	34,700 PSI
	HS-6	13.0	1214	37,900 CUP
	UNIVERSAL	9.6	1113	38,200 CUP
	HP-38	10.0	1149	38,100 CUP
	TITEGROUP	9.6	1186	38,400 CUP

44 AUTO MAG

BBL: 6" — **CASE: FEDERAL (REF)** — **PR: CCI 350**

200 GR. HDY XTP				**COL: 1.610"**
	H4227	26.0	1427	
	H110	25.0	1485	
	HS-7	17.0	1302	
240 GR. NOS HP				**COL: 1.600"**
	H4227	21.0	1183	
	H110	21.0	1241	

45 ACP

BBL: 5" — **CASE: WINCHESTER** — **PR: FEDERAL 150**

185 GR. HDY JSWC				**COL: 1.195"**
	LONGSHOT	8.2	1044	17,000 CUP
	HS-6	9.5	996	16,800 CUP
	UNIVERSAL	7.2	993	17,000 CUP
	HP-38	5.9	906	15,800 CUP
	TITEGROUP	5.5	956	17,000 CUP
	CLAYS	4.9	981	17,400 CUP
200 GR. SPR JHP				**COL: 1.155"**
	LONGSHOT	7.8	1013	16,900 CUP
	HS-6	9.0	948	16,400 CUP
	UNIVERSAL	6.7	930	17,200 CUP
	HP-38	5.9	906	16,700 CUP
	TITEGROUP	5.2	884	16,900 CUP
	CLAYS	4.3	785	17,700 CUP
230 GR. HDY FMJ FP				**COL: 1.200"**
	LONGSHOT	6.8	908	17,200 CUP
	HS-6	8.2	825	15,400 CUP
	UNIVERSAL	6.0	853	16,900 CUP
	HP-38	5.3	832	16,800 CUP
	TITEGROUP	4.8	818	16,700 CUP
	CLAYS	4.0	732	17,000 CUP

460 ROWLAND

BBL: 5" — **CASE: STARLINE** — **PR: WINCHESTER LP**

185 GR. HDY JSWC				**COL: 1.240"**
	LONGSHOT	13.5	1503	38,800 CUP
200 GR. SPR JHP				**COL: 1.225"**
	LONGSHOT	13.8	1456	39,400 CUP
230 GR. HDY XTP				**COL: 1.270"**
	LONGSHOT	12.0	1336	39,200 CUP

45 COLT

BBL: 7.25" — **CASE: WINCHESTER** — **PR: WINCHESTER LP**

200 GR. CAST LRNFP				**COL: 1.600"**
	UNIVERSAL	8.8	1067	13,600 CUP
	HP-38	8.0	1002	13,800 CUP
	TITEGROUP	7.7	1050	12,700 CUP
	CLAYS	5.9	931	13,100 CUP
260 GR. SPR GDHP				**COL: 1.595"**
	HS-6	10.7	865	14,000 CUP
	UNIVERSAL	8.0	813	14,000 CUP
	HP-38	7.1	787	14,000 CUP
	TITEGROUP	6.3	797	12,500 CUP
300 GR. SIE JFP				**COL: 1.670"**
	HS-6	10.0	730	13,700 CUP
	UNIVERSAL	7.3	700	13,700 CUP
	TITEGROUP	5.8	682	12,900 CUP

45 WINCHESTER MAGNUM

BBL: 5" — **CASE: WINCHESTER** — **PR: CCI 350**

230 GR. HDY FMJ FP				**COL: 1.555"**
	H4227	25.0	1259	29,400 CUP
	H110	28.0	1410	29,000 CUP
	HS-6	17.0	1296	36,600 CUP
	HP-38	10.8	1191	37,100 CUP
250 GR. NOS JHP				**COL: 1.500"**
	H4227	24.0	1239	37,100 CUP
	H110	26.0	1380	37,400 CUP
	HS-6	15.4	1220	37,700 CUP
	HP-38	9.8	1100	38,400 CUP

BULLET	POWDER	GR	VEL	CUP

454 CASULL

CASE: FREEDOM ARMS
BBL: 9.375" **PR: WINCHESTER SR**

BULLET	POWDER	GR	VEL	CUP
260 GR. FA JFP				**COL: 1.765"**
	H4227	33.0 C	1762	42,100 CUP
	H110	36.0	1954	51,600 CUP
	LIL'GUN	35.5	1895	37,900 CUP
260 GR. SPR JHP				**COL: 1.675"**
	LONGSHOT	15.0	1443	36,600 CUP
	HS-6	16.8	1420	36,400 CUP
	UNIVERSAL	11.5	1245	34,900 CUP
	TITEGROUP	11.0	1270	35,900 CUP
300 GR. FA JFP				**COL: 1.775"**
	H4227	31.0 C	1702	52,400 CUP
	H110	30.0	1716	53,700 CUP
	LIL'GUN	31.0	1746	45,900 CUP

480 RUGER

CASE: HORNADY
BBL: 7 1/2" **PR: WINCHESTER LP**

BULLET	POWDER	GR	VEL	CUP
325 GR. HDY XTP				**COL: 1.620"**
	H4227	27.2	1477	45,600 PSI
	H110	27.0	1518	44,900 PSI
	LIL'GUN	25.1	1525	45,200 PSI
	LONGSHOT	14.5	1330	47,100 PSI
	TITEGROUP	10.7	1158	46,200 PSI
400 GR. HDY XTP				**COL: 1.620"**
	H4227	21.0	1211	46,100 PSI
	H110	20.5	1258	46,600 PSI
	LIL'GUN	18.0	1229	45,600 PSI
	LONGSHOT	11.0	1082	46,900 PSI
	TITEGROUP	8.5	959	46,800 PSI

475 LINEBAUGH

CASE: STARLINE
BBL: 8" **PR: WINCHESTER LP**

BULLET	POWDER	GR	VEL	CUP
385 GR. CAST LRNFP				**COL: 1.810"**
	H4227	28.0	1456	51,100 PSI
	H110	30.0	1566	55,000 PSI
	LIL'GUN	29.0	1523	47,900 PSI
	TITEGROUP	11.0	1130	51,700 PSI

50 ACTION EXPRESS

CASE: SPEER
BBL: 6" **PR: CCI 350**

BULLET	POWDER	GR	VEL	CUP
325 GR. SPR AE UCHP				**COL: 1.575"**
	H4227	30.8	1294	
	H110	32.5	1431	

500 LINEBAUGH

CASE: STARLINE
BBL: 8" **PR: CCI 350**

BULLET	POWDER	GR	VEL	CUP
400 GR. CAST LRNFP				**COL: 1.760"**
	H4227	33.0	1358	32,400 PSI
	H110	37.0	1553	42,200 PSI
	LIL'GUN	37.5	1608	43,900 PSI

SHOTSHELL data

Forward

There are many good handbooks available giving the basics of reloading and the beginner should study one or more of them before embarking upon his new hobby. We are assuming that the user of our data manual knows the mechanics of reloading and simply needs a supplement to help him find a good load using the components available to him.

By revising our shotshell data often, we hope to keep fairly well up-to-date with the rapidly changing array of components offered by today's consumer-oriented manufacturers.

Bob Hodgon and his very happy companion pheasant hunting.

Warnings

NEVER Exceed the Loads Listed in This Publication

The data in this manual was developed in the Hodgdon Laboratory under controlled conditions. No data shown in the ensuing lead data section should be used with steel or Bismuth shot. NEVER substitute components when loading shotshells using this data. Substitution of different components could cause excessive or dangerous pressures, which could damage or destroy your firearm or cause serious personal injury or even death to the user and/or bystanders.

The format provides a convenient presentation of all components used for a given set of data. Loads are listed alphabetically by case type and then alphabetically by primer type with each set of data. In addition, each set of components is shown in even velocity increments corresponding to the old Dram equivalent velocities. This allows the shooter to choose loads similar to factory loadings.

After choosing an appropriate load, be sure to weigh actual charges thrown by the bushing or charge bar. No bushing or charge bar throws the exact charge as listed in the tables. Such changes occur because of small tolerances in bushing sizes, tolerances in bulk density of powder, and the way each loader is mounted and operated. It is important to verify these weights for safety and to insure getting the type load you want.

Since Hodgdon Powder Company has no control over variations in components, reloading tools or reloader's procedures, the individual is solely responsible for any changes in ballistics that may occur using this data.

Damascus barreled shotguns should *NOT* be used with any powder due to their weak construction. Barrel rupture may result in injury or death to the shooter and/or bystanders.

Chilled shot table

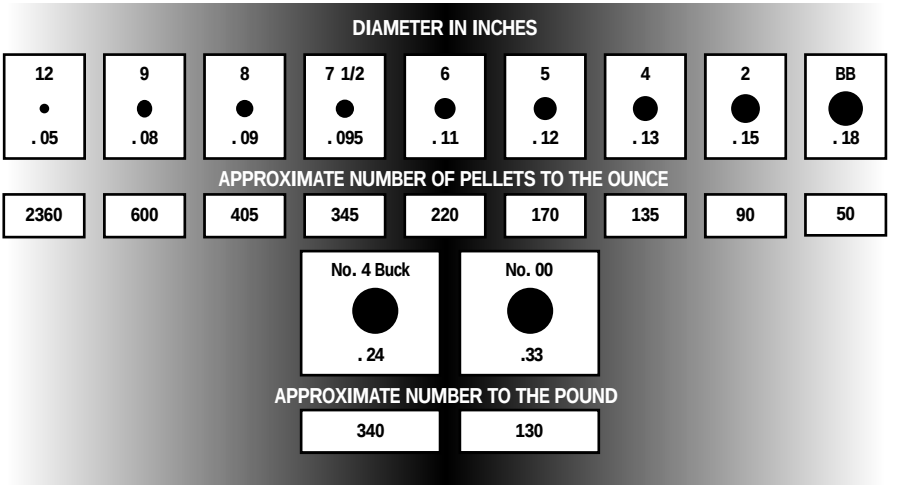
Weight Ounces		½	⅝	¾	⅞	1	1 ⅛	1 ¼	1 ⅜	1 ½	1 ⅝	1 ¾	1 ⅞	2	2 ⅛
Weight Grains		219	273	328	383	438	492	547	602	656	711	766	820	875	930
Loads per Lb.		32	26	21	18	16	14	13	12	11	10	9	9	8	8
Size	**Dia In.**	**Approximate No. of Pellets per load**													
BB	**.18**	25	31	38	44	50	56	63	69	75	81	88	94	100	106
2	**.15**	44	55	66	77	88	99	110	121	132	143	154	165	176	187
4	**.13**	68	85	102	119	136	153	170	187	204	221	238	255	272	289
5	**.12**	86	108	129	151	172	194	215	237	258	280	301	323	344	366
6	**.11**	112	139	167	195	223	251	279	307	335	362	390	418	446	474
7	**.10**	150	187	224	262	299	336	374	411	449	486	523	561	598	635
7 ½	**.095**	173	216	259	302	345	388	431	474	518	561	604	647	690	733
8	**.09**	205	256	307	358	409	460	511	562	614	665	716	767	818	869
8 ½	**.085**	240	300	360	420	480	540	600	660	720	780	840	900	960	1020
9	**.08**	293	366	439	512	585	658	731	804	878	951	1024	1097	1170	1243

Reference table

POWDER TABLE

GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND
12	583	23	304	34	205
13	538	24	291	35	200
14	500	25	280	36	194
15	466	26	269	37	189
16	437	27	259	38	184
17	411	28	250	39	179
18	388	29	241	40	175
19	368	30	233	41	170
20	350	31	225	42	166
21	333	32	218	43	162
22	318	33	212		

Shot chart



Lee

BUSHING #	CLAYS	INTER	UNIV	HS6	HS7	H110®	TITEWAD	TITEGROUP	LONGSHOT	LIL'GUN
.095	10.7	12.3	15.2	21.9	22.9	22.5	12.4	15.6	19.1	23.5
.100	11.3	13.0	16.0	23.0	24.1	23.7	13.0	17.2	20.1	24.7
.105	11.8	13.7	16.8	24.2	25.3	24.9	13.7	18.7	21.1	26.0
.110	12.4	14.3	17.6	25.3	26.5	26.1	14.3	19.3	22.1	27.2
.116	13.0	15.1	18.5	26.7	28.0	27.5	15.1	20.1	23.3	28.7
.122	13.7	15.9	19.5	28.1	29.4	28.9	15.9	21.4	24.5	30.2
.128	14.4	16.6	20.4	29.4	30.8	30.3	16.7	22.7	25.7	31.7
.134	15.0	17.5	21.4	30.8	32.3	31.8	17.5	24.0	26.9	33.1
.141	15.8	18.4	22.5	32.4	34.0	33.4	18.4	25.6	28.3	34.9
.148	16.6	19.3	23.6	34.0	35.7	35.1	19.3		29.8	36.5
.151	16.7	19.6	24.0				19.7		30.4	37.2
.155	17.3	20.1	24.7	35.7	37.4	36.7	20.4		31.1	38.2
.163	18.2	21.1	25.9	37.5	39.3	38.6	21.4		32.7	40.2
.171	19.1	22.0	27.1	39.3	41.2	40.5	22.5		34.3	42.1
.180	20.1	23.1	28.5	41.4	43.4	42.7	23.6		36.1	44.4
.189	21.2	24.1	29.9	43.5	45.6	44.8			37.9	46.6
.198	22.1	25.2	31.3	45.5	47.7	46.9	26.0		39.7	48.8

Mec

BUSHING #	CLAYS	INTER	UNIV	HS6	HS7	H110®	TITEWAD	LIL'GUN	LGSH	TITEGROUP
7								11.9		
8								12.5		
9								12.9		
10						13.5		13.4	11.0	
11						14.4			11.7	
12						15.4			12.4	
A12				15.5		16.4			13.2	
13				16.1	16.6	17.0			13.9	
14				17.9	18.4				15.4	13.8
15			12.0	18.8	19.3				16.1	14.5
16		10.8	12.9	19.8	20.4				17.0	15.4
17		11.4	13.5	20.7	21.3				17.8	16.2
18		11.8	14.0	21.6	22.3				18.7	17.1
19		12.3	14.6	22.6	23.2				19.5	18.1
20		12.9	15.5	23.7	24.4		13.3		20.3	19.0
21		13.3	16.0	24.7	25.4		13.9		21.2	19.7
22		14.3	16.8	25.8	26.6		14.5		22.1	20.2
23		14.6	17.4	26.8	27.7		15.2		23.1	21.1
24		15.5	18.3	27.9	28.9		15.8		24.0	21.9
25		16.0	18.9	28.9	29.9		16.2		24.8	22.7
26		16.6	19.1	30.3	31.2		16.9		25.9	23.7
27	14.6	17.1	20.2	31.2	32.3		17.6		26.9	24.7
28	15.2	17.7	21.1	32.6	33.6		18.3		28.0	25.8
29	15.9	18.3	21.7	33.6	34.7		19.0		29.0	
30	16.3	19.1	22.7	35.0	36.2		19.7		30.1	
31	16.9	19.9	23.4	36.2	37.4		20.4		31.1	
32	17.5	20.6	24.4	37.8	38.9		21.4		32.2	
33	18.2	21.2	25.2	39.0	40.1		22.2		33.3	
34	18.9	21.9	26.0	40.4	41.5		23.0		34.5	
35	19.4	22.6	26.7	41.1	42.4		23.4		35.6	
36	20.1	23.4	27.6	43.0	44.4		24.0		36.7	
37	20.7	24.2	28.7	44.4	45.7		25.3		38.0	
38	21.4	25.1	29.7	46.2	47.4				39.3	
38A	22.2	26.0							40.6	
39	22.8	26.9		47.6	50.3				42.0	
39A									43.1	
40									44.4	
41									47.3	
41A									48.8	
42									50.2	
42A									51.5	
43									53.0	

INTERNATIONAL – INTER
UNIVERSAL – UNIV
LONGSHOT – LGSH

Hornady/ Spolar

GRS	CLAYS	INTER	UNIV	HS6	HS7	H110®	TITEWAD	LIL'GUN	LGSH	TITEGROUP
11.0		333								
12.0		348						250		
13.0		363	330			256		259		
13.5								266		
14.0		375	342			266			300	
14.7										318
15.0		390	354				384		309	324
16.0	429	402	366				396		318	330
16.5	435	408	372				402		327	336
17.0	441	414	378	300			408		330	342
17.4	447	417	384				414		336	345
18.0	456	423	390	309			420		339	351
18.5	462	429	393				426		345	357
19.0	468	435	402	318	318		432		348	360
19.4	474	438	405				435		354	363
20.0	483	447	411	327	330		441		357	369
20.6	489	453	417				450		363	375
21.0	495	459	420	336	339		453		366	378
21.5	501	465	423				459		369	381
22.0	507	471	429	345	348		462		372	387
22.5		477	432				468		378	390
23.0		483	438	351	357		474		381	396
23.5		489	441						384	399
24.0		495	447	360	363		486		390	405
24.5		501	450				489		393	
25.0		507	456	366	369		492		396	
26.0			468	375	378				405	
27.0			480	381	384				414	
28.0			489	387	390				423	
29.0			501	393	396				429	
30.0				402	405				435	
31.0				408	411				444	
32.0				414	417				450	
33.0				423	423				459	
34.0				429	429				465	
35.0				435	438		471		471	
36.0				441	444				480	
37.0				444	450				486	
38.0				450					492	
39.0									498	

Ponsness Warren

BUSHING #	CLAYS	INTER	UNIV	HS6	HS7	H110®	TITEWAD	LIL'GUN	LGSH	TITEGROUP
1AX								12.0		
2AX								12.7		
3AX								13.1		
1A						13.7				
2A						14.8				
3A				15.3		15.6			13.0	
A				16.8	17.1	17.5			15.0	
B				17.6	18.2				15.5	14.5
C			12.5	18.5	18.8				16.5	15.0
C1			13.0	19.6	20.1				17.0	16.0
D			13.2	20.4	21.0				17.3	16.3
D1		11.7	14.0	21.3	22.4				18.2	17.0
E		13.1	15.7	23.5	24.2				20.7	19.4
E1		13.7	16.2	24.0	24.7				21.6	20.0
E2		14.4	17.2	26.1	26.5		14.7		22.8	21.3
F		15.2	18.1	27.5	28.5		15.6		24.2	22.7
F1		15.8	18.3	28.3	29.3		15.8		24.4	22.9
F2							16.4		25.3	23.5
F6		16.1	18.9							
G		17.1	20.2	31.2	32.3		17.4		26.8	24.7
G1		17.3	20.6	32.7	33.4		17.7		27.1	
H	16.0	18.5	22.0	34.0	34.8		18.9		29.0	
I	16.7	19.3	22.8	34.4	36.5		19.6		30.0	
J	17.2	19.8	23.9	35.5	37.1		20.3		31.2	
J1	17.6	20.3	24.5	36.9	38.8		21.0		32.0	
K	17.8	20.6	24.8	37.1	39.0		21.3		32.5	
L	18.7	21.6	25.7	39.5	41.1		22.2		34.0	
M	19.7	22.5	26.8	41.2	42.8		23.4		35.7	
N	20.8	23.7	28.2				25.2		38.0	
O	21.0	24.0	28.5						38.5	
P	21.5	24.5							39.9	
Q	21.9	25.0							40.1	
R									41.8	
S									42.5	
T									45.4	

INTERNATIONAL – INTER
UNIVERSAL – UNIV
LONGSHOT – LGSH

Wad chart

The following chart shows wads that may be substituted for current popular models as listed in the ensuing data.

WAA12: WT12 Winchester, CB01118, CB1118-12, Black Magic, Blue Duster
WAA12SL: CB1100-12. Green Duster, WAA12L (in 7/8 oz. loads only)
Federal 12SO: CB2100-12
Federal 12S3: CB2118-2
Remington Fig. 8: CB3118-12
Windjammer: CB4118-12
WAA20: CB1078-20, Duster 20
WAA28: CB1034-28, Duster 28
WAA41: CB1050-41, Duster 410
Federal 410SC: CB1050-41
Remington SP410: CB1050-41

Notes on Recoil

In physics we learned that for every force there is an equal and opposite force. In a firearm, the gases generated by burning powder push the ejecta (shot and wad) down the barrel and in turn push the shotgun in the opposite direction creating what we call recoil. According to physics, the momentum of a free recoiling firearm is equal and opposite in direction to the momentum of the ejecta and powder charge. The formula for free recoil of a firearm is:

$$\text{Recoil Energy in ft. lbs.} = \frac{(\text{Bw Mv} + 4700\ \text{Pw})^2}{64.348\ \text{Gw}}$$

Where Gw = the weight of the gun in pounds
Bw = weight of the ejecta (shot and wad) in pounds
Pw = powder weight in pounds
Mv = muzzle velocity in feet per second

Example: Our shooter has an 8 lb. target gun with a load using 18.0 grs. of Clays, a wad weighing 33.0 gr., shot charge of 1 1/8 oz. and giving 1200 f/s muzzle velocity. First, we must convert the ejecta weight to lbs. (1 1/8 oz. = 492.0 gr.) Dividing grains by 7000 converts to pounds.

Gw = 8 lb.
$\text{Bw} = \frac{492.0 + 33.0}{7000} = \frac{525}{7000} = .075$ lb.
$\text{Pw} = \frac{18}{7000} = .003$ lb.
Mv = 1200 ft/sec

Substituting the numbers in the formula we find the

$$\text{Recoil energy of the shooters load} = \frac{[(.075 \times 1200) + (4700 \times .003)]^2}{64.348 \times 8} = 21.05\ \text{ft/lbs}$$

Unfortunately, too many shooters think that pressure has an effect on recoil. In truth, it doesn't. It is not included in the formula for calculating recoil as noted in our example. However, there are factors that effect our perception of recoil. A major factor is muzzle blast. Clean burning powders help limit muzzle blast, are quieter, and therefore seem lower in recoil.

Some people think slow burning powders produce less recoil. What they are perceiving is the longer time it takes the powder to reach peak pressure, which gives the same recoil as a faster burning powder, just over a longer period of time. Others like the faster burning powders which peak quicker, although still the same recoil, just a shorter period of recoil. Perception can be everything to a shooter, so he should shoot what he "feels" is the most comfortable. That is why Hodgdon has a complete range of powders to cover all perceptions and needs.

The only real way to lessen recoil is to lower velocities, or lessen shot charge, or both.

Shooters!

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SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*	
				Velocity is measured in feet per second (fps). Pressure is measured in Lead Units of Pressure (LUP) or in Pounds per Square Inch (PSI).	
10 GA., 3 1/2", FEDERAL PLASTIC SHELL WITH PAPER BASEWAD					
				1165 fps	
2 oz	HS-6	CCI 209M	Rem. SP10 + 2–20 ga. .135" Card	40.0 gr / 9,900 PSI	
2 oz	HS-7	CCI 209M	Rem. SP10 + 2–20 ga. .135" Card	43.0 gr / 10,200 PSI	
				1250 fps	**1300 fps**
2 oz	Longshot	CCI209M	Rem. SP10 + 1–20 ga. .135" Card	39.4 gr / 9,600 PSI	—
2 oz	Longshot	Fed. 209A	Rem. SP10 + 1–20 ga. .135" Card	40.5 gr / 9,900 PSI	41.2 gr / 11,000 PSI
				1165 fps	
2 1/4 oz	HS-7	Win. 209	Rem. SP10 + 1–20 ga. .135" Card	40.0 gr / 10,300 PSI	
				1250 fps	
2 1/4 oz	Longshot	CCI209M	Rem. SP10 + 1–20 ga. .135" Card	33.0 gr / 10,800 PSI	
2 1/4 oz	Longshot	Fed. 209A	Rem. SP10 + 1–20 ga. .135" Card	33.0 gr / 10,500 PSI	
2 1/4 oz	Longshot	Rem. 209P	Rem. SP10 + 1–20 ga. .135" Card	34.0 gr / 10,300 PSI	
10 GA., 3 1/2", REMINGTON PLASTIC SHELL WITH YELLOW PLASTIC BASEWAD					
				1165 fps	
2 oz	HS-6	CCI 209M	Rem. SP10 + 3–20 ga. .135" Card	40.0 gr / 11,000 PSI	
2 oz	HS-7	CCI 209M	Rem. SP10 + 3–20 ga. .135" Card	43.0 gr / 11,000 PSI	
				1200 fps	
2 oz	Longshot	Fed. 209A	Rem. SP10 + 2–20 ga. .135" Card	36.5 gr / 11,000 PSI	
2 oz	Longshot	Rem. 209P	Rem. SP10 + 2–20 ga. .135" Card	37.5 gr / 11,000 PSI	
2 oz	Longshot	Win. 209	Rem. SP10 + 2–20 ga. .135" Card	38.0 gr / 10,700 PSI	
				1165 fps	
2 1/4 oz	HS-7	Win. 209	Rem. SP10 + 2–20 ga. .135" Card	40.0 gr / 10,800 PSI	
				1250 fps	
2 1/4 oz	Longshot	CCI209M	Rem. SP10 + 1–20 ga. .135" Card	33.0 gr / 11,000 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE
10 GA., 3 1/2", REMINGTON PLASTIC SHELL WITH YELLOW PLASTIC BASEWAD CONT.				
				1250 fps
2 1/4 oz	Longshot	Fed. 209A	Rem. SP10 + 1–20 ga. .135" Card	32.0 gr / 11,000 PSI
2 1/4 oz	Longshot	Rem. 209P	Rem. SP10 + 1–20 ga. .135" Card	33.5 gr / 10,800 PSI
10 GA., 3 1/2", WINCHESTER POLYFORMED PLASTIC SHELL W/ PLASTIC BASEWAD				
				1165 fps
2 oz	HS-6	CCI 209M	Rem. SP10 + 2–20 ga. .135" Card	40.0 gr / 10,700 PSI
2 oz	HS-7	CCI 209M	Rem. SP10 + 2–20 ga. .135" Card	42.5 gr / 10,600 PSI
				1250 fps
2 oz	Longshot	CCI209M	Rem. SP10 + 2–20 ga. .135" Card	37.0 gr / 10,900 PSI
2 oz	Longshot	Fed. 209A	Rem. SP10 + 2–20 ga. .135" Card	37.0 gr / 11,000 PSI
2 oz	Longshot	Win. 209	Rem. SP10 + 2–20 ga. .135" Card	38.6 gr / 10,200 PSI
				1165 fps
2 1/4 oz	HS-7	CCI 209M	Rem. SP10 + 1–20 ga. .135" Card	40.0 gr / 11,000 PSI
				1200 fps
2 1/4 oz	Longshot	CCI209M	Rem. SP10	33.5 gr / 11,000 PSI
2 1/4 oz	Longshot	Fed. 209A	Rem. SP10	31.5 gr / 10,800 PSI
2 1/4 oz	Longshot	Win. 209	Rem. SP10	37.5 gr / 10,900 PSI

12 GA., 2 3/4", CHEDDITE PLASTIC SHELLS							
				1090 fps	**1145 fps**	**1200 fps**	**1235 fps**
1 1/8 oz	Titewad	Ched. 209	Fed. 12S3	16.5 gr / 7,400 PSI	17.0 gr / 9,000 PSI	18.0 gr / 10,100 PSI	—
1 1/8 oz	Titewad	Ched. 209	Fio. TL1	16.0 gr / 9,100 PSI	17.0 gr / 10,400 PSI	18.0 gr / 11,400 PSI	—
1 1/8 oz	Titewad	Ched. 209	Rem. Fig. 8	—	16.5 gr / 8,800 PSI	18.0 gr / 10,400 PSI	—
1 1/8 oz	Titewad	Ched. 209	WAA12SL	16.5 gr / 7,300 PSI	17.0 gr / 8,500 PSI	18.0 gr / 9,800 PSI	—
1 1/8 oz	Clays	Ched. 209	Fed. 12S3	16.3 gr / 7,700 PSI	17.5 gr / 8,500 PSI	18.7 gr / 9,700 PSI	20.5 gr / 11,400 PSI
1 1/8 oz	Clays	Ched. 209	WAA12	16.3 gr / 7,700 PSI	17.3 gr / 8,500 PSI	18.5 gr / 10,000 PSI	20.5 gr / 11,500 PSI
1 1/8 oz	Clays	Fio 616	Fio. TL1	16.0 gr / 7,500 PSI	17.0 gr / 8,000 PSI	19.0 gr / 11,300 PSI	—
1 1/8 oz	Internat'l	Ched. 209	Fed. 12S3	19.5 gr / 7,200 PSI	20.0 gr / 8,400 PSI	21.0 gr / 8,500 PSI	—
1 1/8 oz	Internat'l	Ched. 209	WAA12	19.0 gr / 7,300 PSI	19.5 gr / 7,800 PSI	20.5 gr / 8,400 PSI	21.5 gr / 9,900 PSI
1 1/8 oz	Internat'l	Fio 616	Fio. TL1	—	19.0 gr / 7,200 PSI	20.5 gr / 8,800 PSI	22.0 gr / 10,000 PSI
				1420 fps	**1475 fps**	**1530 fps**	**1585 fps**
1 1/8 oz	Longshot	Ched. 209	Fed. 12S3	33.6 gr / 7,100 PSI	35.2 gr / 8,200 PSI	36.8 gr / 9,200 PSI	38.4 gr / 10,300 PSI
1 1/8 oz	Longshot	Ched. 209	Fio. TL1	33.7 gr / 7,900 PSI	35.2 gr / 9,300 PSI	36.6 gr / 9,800 PSI	38.0 gr / 10,700 PSI
1 1/8 oz	Longshot	Ched. 209	Rem. R12L	32.9 gr / 7,600 PSI	34.6 gr / 8,400 PSI	36.4 gr / 9,300 PSI	38.1 gr / 10,100 PSI
1 1/8 oz	Longshot	Ched. 209	Windjammer	34.7 gr / 7,400 PSI	36.1 gr / 8,000 PSI	37.5 gr / 8,700 PSI	38.9 gr / 9,400 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
12 GA., 2 3/4", CHEDDITE PLASTIC SHELLS CONT.							
				1330 fps	**1385 fps**	**1440 fps**	**1495 fps**
1 1/4 oz	Longshot	Ched. 209	Rem. R12L	30.3 gr / 7,700 PSI	32.2 gr / 8,600 PSI	34.0 gr / 9,500 PSI	—
1 1/4 oz	Longshot	Ched. 209	WAA12F114	29.8 gr / 8,000 PSI	31.7 gr / 8,800 PSI	33.6 gr / 9,700 PSI	—
				1205 fps	**1260 fps**	**1315 fps**	
1 1/2 oz	Longshot	Ched. 209	Fed. 12S4	27.0 gr / 9,800 PSI	—	—	
1 1/2 oz	Longshot	Ched. 209	WAA12R	26.6 gr / 9,100 PSI	28.6 gr / 10,100 PSI	30.6 gr / 11,100 PSI	
12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS							
				1250 fps	**1300 fps**	**1350 fps**	**1400 fps**
7/8 oz	Titewad	CCI 209SC	WAA12L	18.1 gr / 7,100 PSI	19.0 gr / 8,100 PSI	20.3 gr / 8,700 PSI	21.4 gr / 9,900 PSI
7/8 oz	Titewad	Fed. 209A	Fed. 12S0	19.5 gr / 6,400 PSI	20.5 gr / 7,500 PSI	21.6 gr / 8,800 PSI	22.7 gr / 9,800 PSI
7/8 oz	Titewad	Win. 209	WAA12L	18.4 gr / 6,800 PSI	19.3 gr / 7,400 PSI	20.6 gr / 8,700 PSI	21.9 gr / 9,300 PSI
7/8 oz	Clays	CCI 209SC	WAA12L	19.0 gr / 6,700 PSI	20.5 gr / 8,000 PSI	21.7 gr / 9,400 PSI	22.5 gr / 11,300 PSI
7/8 oz	Clays	Fed. 209A	WAA12L	19.2 gr / 7,400 PSI	20.0 gr / 8,000 PSI	21.5 gr / 9,700 PSI	22.5 gr / 11,500 PSI
7/8 oz	Clays	Win. 209	WAA12L	19.0 gr / 7,000 PSI	20.3 gr / 8,000 PSI	22.0 gr / 8,800 PSI	23.0 gr / 10,500 PSI
				1300 fps	**1350 fps**	**1400 fps**	**1450 fps**
7/8 oz	Internat'l	CCI 209SC	WAA12L	22.7 gr / 7,300 PSI	24.0 gr / 8,200 PSI	25.0 gr / 9,400 PSI	25.5 gr / 10,200 PSI
7/8 oz	Internat'l	Fed. 209A	WAA12L	22.3 gr / 7,500 PSI	23.2 gr / 8,300 PSI	24.5 gr / 9,300 PSI	25.7 gr / 10,000 PSI
7/8 oz	Internat'l	Win. 209	WAA12L	23.5 gr / 7,500 PSI	24.3 gr / 7,900 PSI	25.5 gr / 9,100 PSI	27.0 gr / 10,600 PSI
				1180 fps	**1235 fps**	**1290 fps**	**1345 fps**
1 oz	Titewad	CCI 209	WAA12L	17.2 gr / 7,900 PSI	18.5 gr / 9,200 PSI	19.8 gr / 10,400 PSI	21.1 gr / 11,300 PSI
1 oz	Titewad	CCI 209SC	Purple PC	—	18.7 gr / 8,100 PSI	20.2 gr / 9,200 PSI	21.7 gr / 10,500 PSI
1 oz	Titewad	Fed. 209A	Fed. 12S0	17.8 gr / 7,100 PSI	19.3 gr / 8,500 PSI	20.8 gr / 9,600 PSI	21.7 gr / 11,300 PSI
1 oz	Titewad	Fed. 209A	Rem. TGT 12	17.0 gr / 7,500 PSI	18.4 gr / 8,700 PSI	19.7 gr / 9,800 PSI	21.0 gr / 11,000 PSI
1 oz	Titewad	Win. 209	Fed. 12S0	18.0 gr / 7,100 PSI	19.1 gr / 8,600 PSI	20.3 gr / 10,300 PSI	22.0 gr / 11,300 PSI
1 oz	Titewad	Win. 209	WAA12L	17.4 gr / 7,500 PSI	18.7 gr / 8,400 PSI	20.2 gr / 9,700 PSI	21.7 gr / 11,300 PSI
				1125 fps	**1180 fps**	**1235 fps**	**1290 fps**
1 oz	Clays	CCI 209SC	Purple PC	—	18.0 gr / 6,600 PSI	19.0 gr / 8,000 PSI	20.0 gr / 9,300 PSI
1 oz	Clays	Fed. 209A	Fed. 12S0	16.8 gr / 6,700 PSI	17.9 gr / 7,700 PSI	19.3 gr / 9,200 PSI	20.3 gr / 10,800 PSI
1 oz	Clays	Rem. 209P	Rem. TGT 12	18.2 gr / 5,900 LUP	19.2 gr / 6,300 LUP	20.2 gr / 6,800 LUP	21.2 gr / 7,300 LUP
1 oz	Clays	Win. 209	WAA12SL	17.2 gr / 6,200 LUP	18.2 gr / 7,000 LUP	19.1 gr / 7,600 LUP	20.0 gr / 8,300 LUP
				1235 fps	**1290 fps**	**1345 fps**	**1400 fps**
1 oz	Internat'l	CCI 209	WAA12SL	21.5 gr / 7,300 PSI	22.3 gr / 8,000 PSI	23.5 gr / 9,100 PSI	24.7 gr / 10,200 PSI
1 oz	Internat'l	Fed. 209A	Fed. 12S0	19.9 gr / 8,300 PSI	21.3 gr / 9,900 PSI	22.5 gr / 11,200 PSI	—
1 oz	Internat'l	Fed. 209A	Purple PC	20.0 gr / 7,400 PSI	21.4 gr / 8,600 PSI	22.7 gr / 9,700 PSI	24.1 gr / 10,300 PSI
1 oz	Internat'l	Fed. 209A	WAA12SL	19.7 gr / 7,700 PSI	21.0 gr / 9,100 PSI	22.3 gr / 10,500 PSI	—
1 oz	Internat'l	Rem. 209P	Rem. TGT 12	20.8 gr / 7,200 PSI	21.2 gr / 7,500 PSI	23.3 gr / 9,400 PSI	24.5 gr / 10,400 PSI
1 oz	Internat'l	Win. 209P	WAA12SL	20.5 gr / 7,200 PSI	22.0 gr / 8,400 PSI	23.4 gr / 9,400 PSI	24.7 gr / 10,400 PSI
				1090 fps	**1145 fps**	**1200 fps**	**1255 fps**
1 1/8 oz	Titewad	Ched. 209	Fed. 12S3	15.4 gr / 9,100 PSI	16.7 gr / 10,300 PSI	—	—
1 1/8 oz	Titewad	Ched. 209	Rem. Fig. 8	15.4 gr / 8,800 PSI	16.7 gr / 9,900 PSI	18.1 gr / 11,100 PSI	—
1 1/8 oz	Titewad	Ched. 209	Windjammer	16.0 gr / 8,100 PSI	17.2 gr / 9,400 PSI	18.5 gr / 10,900 PSI	—
1 1/8 oz	Titewad	CCI 209M	G/BP CS12	14.9 gr / 9,800 PSI	15.9 gr / 10,800 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Fed. 12S3	16.3 gr / 8,300 PSI	17.3 gr / 8,900 PSI	18.8 gr / 10,300 PSI	—
1 1/8 oz	Titewad	Fed. 209A	Rem. Fig. 8	15.8 gr / 8,000 PSI	16.9 gr / 9,600 PSI	18.1 gr / 11,300 PSI	—
1 1/8 oz	Titewad	Fed. 209A	WAA12	15.4 gr / 8,200 PSI	16.8 gr / 9,800 PSI	18.0 gr / 11,100 PSI	—
1 1/8 oz	Titewad	Fio. 616	Fio. TL 1	15.7 gr / 8,900 PSI	16.7 gr / 9,800 PSI	18.0 gr / 11,000 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE

12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS CONT.

				1090 fps	1145 fps	1200 fps	1255 fps
1 1/8 oz	Titewad	Rem. 209P	Rem. Fig. 8	16.0 gr / 7,500 PSI	17.0 gr / 8,600 PSI	18.0 gr / 9,500 PSI	—
1 1/8 oz	Titewad	Win. 209	WAA12SL	16.5 gr / 7,900 PSI	17.5 gr / 9,100 PSI	18.2 gr / 9,800 PSI	—
1 1/8 oz	Clays	Ched. 209	Fed. 12S3	16.8 gr / 8,000 PSI	18.0 gr / 9,500 PSI	19.2 gr / 10,900 PSI	
1 1/8 oz	Clays	Ched. 209	Rem. Fig. 8	16.5 gr / 7,600 PSI	17.9 gr / 9,000 PSI	19.3 gr / 10,500 PSI	—
1 1/8 oz	Clays	Ched. 209	Windjammer	16.9 gr / 7,000 PSI	18.2 gr / 8,400 PSI	19.5 gr / 9,900 PSI	20.9 gr / 11,400 PSI
1 1/8 oz	Clays	Fed. 209A	Fed. 12S3	16.8 gr / 7,900 PSI	17.1 gr / 8,600 PSI	19.0 gr / 10,400 PSI	—
1 1/8 oz	Clays	Fed. 209A	Rem. Fig. 8	17.0 gr / 7,400 PSI	17.5 gr / 7,900 PSI	19.0 gr / 9,600 PSI	—
1 1/8 oz	Clays	Fed. 209A	WAA12	16.5 gr / 7,700 PSI	17.0 gr / 8,100 PSI	18.5 gr / 10,300 PSI	—
1 1/8 oz	Clays	Fed. 209A	Windjammer	16.5 gr / 7,400 PSI	17.6 gr / 8,700 PSI	18.8 gr / 10,100 PSI	—
1 1/8 oz	Clays	Rem. 209P	Red PC	17.5 gr / 6,500 LUP	18.5 gr / 7,400 LUP	19.4 gr / 8,300 LUP	—
1 1/8 oz	Clays	Rem. 209P	Rem. Fig. 8	16.6 gr / 7,200 PSI	17.8 gr / 8,600 PSI	18.9 gr / 9,900 PSI	20.1 gr / 11,300 PSI
1 1/8 oz	Clays	Win. 209	G/BP PISK	16.6 gr / 8,800 PSI	17.7 gr / 10,100 PSI	18.8 gr / 11,300 PSI	—
1 1/8 oz	Clays	Win. 209	Windjammer	17.3 gr / 6,300 LUP	18.3 gr / 7,200 LUP	19.4 gr / 8,100 LUP	—
1 1/8 oz	Internat'l	Ched. 209	Fed. 12S3	18.2 gr / 7,300 PSI	19.4 gr / 8,300 PSI	20.6 gr / 9,400 PSI	21.8 gr / 10,500 PSI
1 1/8 oz	Internat'l	Ched. 209	Rem. Fig. 8	17.9 gr / 6,800 PSI	19.3 gr / 7,900 PSI	21.0 gr / 9,300 PSI	22.0 gr / 10,100 PSI
1 1/8 oz	Internat'l	Ched. 209	Windjammer	18.3 gr / 6,700 PSI	19.5 gr / 7,800 PSI	20.8 gr / 9,000 PSI	22.0 gr / 10,000 PSI
1 1/8 oz	Internat'l	CCI 209M	Rem. TGT 12	19.5 gr / 6,800 LUP	20.0 gr / 7,000 LUP	20.6 gr / 7,800 LUP	22.5 gr / 8,600 LUP
1 1/8 oz	Internat'l	CCI 209SC	Rem. TGT 12	19.0 gr / 6,200 PSI	19.2 gr / 6,900 PSI	20.0 gr / 7,900 PSI	21.5 gr / 9,500 PSI
1 1/8 oz	Internat'l	Fed. 209A	Fed. 12S3	18.5 gr / 7,000 PSI	19.0 gr / 7,200 PSI	20.5 gr / 8,800 PSI	22.2 gr / 10,600 PSI
1 1/8 oz	Internat'l	Fed. 209A	WAA12	—	18.4 gr / 8,200 PSI	19.6 gr / 9,500 PSI	20.7 gr / 10,700 PSI
1 1/8 oz	Internat'l	Fed. 209A	Windjammer	19.0 gr / 6,200 PSI	19.5 gr / 6,500 PSI	20.8 gr / 8,000 PSI	22.5 gr / 9,200 PSI
1 1/8 oz	Internat'l	Fio. 616	Fio. TL1	19.2 gr / 6,800 LUP	19.7 gr / 7,300 LUP	21.1 gr / 8,100 LUP	22.5 gr / 9,200 LUP
1 1/8 oz	Internat'l	Rem. 209P	G/BP CS12	—	18.8 gr / 8,100 PSI	20.0 gr / 9,100 PSI	21.2 gr / 10,500 PSI
1 1/8 oz	Internat'l	Win. 209	WAA12SL	19.1 gr / 6,600 LUP	20.1 gr / 7,100 LUP	21.0 gr / 7,500 LUP	22.4 gr / 8,900 LUP
1 1/8 oz	Internat'l	Win. 209	Windjammer	—	19.5 gr / 7,000 PSI	20.8 gr / 8,000 PSI	22.2 gr / 9,000 PSI
				1200 fps	**1255 fps**	**1310 fps**	
1 1/8 oz	Universal	CCI 209	Windjammer	25.2 gr / 7,300 PSI	26.5 gr / 8,200 PSI	28.0 gr / 8,800 PSI	
1 1/8 oz	Universal	CCI 209SC	Hor. Versalite	23.2 gr / 7,700 PSI	24.5 gr / 8,600 PSI	25.5 gr / 9,600 PSI	
1 1/8 oz	Universal	CCI 209SC	Windjammer	24.5 gr / 7,300 LUP	26.0 gr / 8,100 PSI	26.7 gr / 8,900 PSI	
1 1/8 oz	Universal	Fed. 209A	Fed. 12S3	23.0 gr / 8,700 PSI	24.4 gr / 9,600 PSI	25.7 gr / 10,500 PSI	
1 1/8 oz	Universal	Fio. 616	Fio. TL1	23.3 gr / 8,700 PSI	24.2 gr / 9,500 PSI	26.0 gr / 10,100 PSI	
1 1/8 oz	Universal	Win. 209	Rem. Fig. 8	24.0 gr / 8,000 PSI	25.0 gr / 8,700 PSI	26.8 gr / 9,500 PSI	
1 1/8 oz	Universal	Win. 209	WAA12	23.2 gr / 8,800 PSI	24.5 gr / 9,700 PSI	25.0 gr / 10,400 PSI	
				1420 fps	**1475 fps**	**1530 fps**	**1585 fps**
1 1/8 oz.	Longshot	CCI 209M	Fed. 12S3	32.2 gr / 8,400 PSI	33.6 gr / 9,500 PSI	34.9 gr / 10,600 PSI	—
1 1/8 oz.	Longshot	CCI 209M	Rem. Fig. 8	32.2 gr / 8,500 PSI	33.8 gr / 9,400 PSI	35.5 gr / 10,400 PSI	37.1 gr / 11,400 PSI
1 1/8 oz.	Longshot	CCI 209M	WAA12	31.4 gr / 8,800 PSI	33.2 gr / 9,500 PSI	35.0 gr / 10,300 PSI	36.8 gr / 11,000 PSI
1 1/8 oz.	Longshot	Fed. 209A	Fed. 12S3	32.0 gr / 9,000 PSI	33.3 gr / 10,000 PSI	34.6 gr / 11,500 PSI	—
1 1/8 oz.	Longshot	Fed. 209A	Rem. Fig. 8	32.2 gr / 8,600 PSI	33.6 gr / 9,500 PSI	35.0 gr / 10,500 PSI	36.4 gr / 11,400 PSI
1 1/8 oz.	Longshot	Fed. 209A	WAA12	31.7 gr / 8,900 PSI	33.1 gr / 9,700 PSI	34.6 gr / 10,700 PSI	36.0 gr / 11,500 PSI
1 1/8 oz.	Longshot	Fed. 209A	Windjammer	32.3 gr / 8,200 PSI	33.9 gr / 9,200 PSI	35.5 gr / 10,200 PSI	37.1 gr / 11,200 PSI
1 1/8 oz.	Longshot	Rem. 209P	Fed. 12S3	32.9 gr / 8,400 PSI	34.1 gr / 9,300 PSI	35.3 gr / 10,200 PSI	—
1 1/8 oz.	Longshot	Rem. 209P	Rem. Fig. 8	32.1 gr / 8,200 PSI	33.9 gr / 9,100 PSI	35.6 gr / 10,000 PSI	37.4 gr / 10,900 PSI
1 1/8 oz.	Longshot	Rem. 209P	WAA12	32.4 gr / 8,200 PSI	33.9 gr / 9,100 PSI	35.4 gr / 10,000 PSI	36.9 gr / 10,900 PSI
1 1/8 oz.	Longshot	Rem. 209P	Windjammer	32.9 gr / 7,900 PSI	34.4 gr / 8,800 PSI	35.9 gr / 9,600 PSI	37.5 gr / 10,500 PSI
1 1/8 oz.	Longshot	Win. 209	Fed. 12S3	34.2 gr / 7,100 PSI	35.5 gr / 8,200 PSI	36.8 gr / 9,400 PSI	38.1 gr / 10,600 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS CONT.							
				1420 fps	**1475 fps**	**1530 fps**	**1585**
1 1/8 oz.	Longshot	Win. 209	Rem. Fig. 8	34.9 gr / 7,100 PSI	36.0 gr / 8,100 PSI	37.1 gr / 9,100 PSI	38.2 gr / 10,000 PSI
1 1/8 oz.	Longshot	Win. 209	WAA12	34.0 gr / 7,600 PSI	35.2 gr / 8,500 PSI	36.4 gr / 9,400 PSI	37.8 gr / 10,400 PSI
1 1/8 oz.	Longshot	Win. 209	Windjammer	35.0 gr / 7,100 PSI	36.2 gr / 8,000 PSI	37.4 gr / 8,900 PSI	38.5 gr / 10,100 PSI
				1220 fps	**1330 fps**		
1 1/4 oz	Universal	CCI 209SC	Fed. 12S4	24.0 gr / 9,500 PSI	—		
1 1/4 oz	Universal	CCI 209	Fed. 12S4	25.0 gr / 10,100 PSI	—		
1 1/4 oz	Universal	Fed. 209A	Fed. 12S4	23.3 gr / 10,400 PSI	—		
1 1/4 oz	Universal	Fio. 616	Rem. SP12	24.7 gr / 9,200 PSI	—		
1 1/4 oz	Universal	Win. 209	WAA12 F114	24.5 gr / 10,300 PSI	—		
1 1/4 oz	HS-6	Win. 209	WAA12F114	32.0 gr / 9,600 LUP	34.5 gr / 10,100 LUP		
				1330 fps	**1385 fps**	**1440 fps**	**1495 fps**
1 1/4 oz	Longshot	CCI 209 M	Fed. 12S3	29.5 gr / 10,200 PSI	30.6 gr / 10,900 PSI	—	—
1 1/4 oz	Longshot	CCI 209M	Rem. R12L	29.8 gr / 8,700 PSI	31.5 gr / 9,500 PSI	33.2 gr / 10,400 PSI	—
1 1/4 oz	Longshot	CCI 209M	WAA12F114	29.2 gr / 9,000 PSI	30.6 gr / 9,900 PSI	32.0 gr / 10,900 PSI	—
1 1/4 oz	Longshot	Fed. 209A	Fed. 12S4	28.4 gr / 9,800 PSI	30.2 gr / 10,800 PSI	—	—
1 1/4 oz	Longshot	Fed. 209A	Rem. R12L	29.2 gr / 9,400 PSI	30.7 gr / 10,400 PSI	32.1 gr / 11,400 PSI	—
1 1/4 oz	Longshot	Fed. 209A	WAA12F114	28.2 gr / 9,900 PSI	29.9 gr / 10,900 PSI	—	—
1 1/4 oz	Longshot	Rem. 209P	Fed. 12S4	28.4 gr / 9,400 PSI	30.1 gr / 10,300 PSI	31.8 gr / 11,300 PSI	—
1 1/4 oz	Longshot	Rem. 209P	Rem. R12L	29.1 gr / 8,800 PSI	31.1 gr / 9,700 PSI	33.0 gr / 10,500 PSI	—
1 1/4 oz	Longshot	Rem. 209P	WAA12F114	28.3 gr / 9,200 PSI	30.3 gr / 10,100 PSI	32.4 gr / 11,000 PSI	—
1 1/4 oz	Longshot	Win. 209	Fed. 12S4	29.7 gr / 8,000 PSI	31.3 gr / 9,300 PSI	32.9 gr / 10,600 PSI	—
1 1/4 oz	Longshot	Win. 209	Rem. R12L	30.7 gr / 7,700 PSI	32.2 gr / 8,700 PSI	33.6 gr / 9,700 PSI	35.0 gr / 10,800PSI
1 1/4 oz	Longshot	Win. 209	WAA12F114	—	33.4 gr / 7,200 PSI	34.4 gr / 9,200 PSI	35.4 gr / 11,300 PSI
				1260 fps			
1 1/2 oz	HS-7	Win. 209	WAA12R	37.0 gr / 10,900 LUP			
				1205 fps	**1260 fps**	**1315 fps**	
1 1/2 oz	Longshot	Fed. 209A	Fed. 12S4	25.5 gr / 11,400 PSI	—	—	
1 1/2 oz	Longshot	Fed. 209A	WAA12R	25.6 gr / 10,200 PSI	27.2 gr / 11,500 PSI	—	
1 1/2 oz	Longshot	Win. 209	Fed. 12S4	26.8 gr / 10,200 PSI	28.0 gr / 11,400 PSI	—	
1 1/2 oz	Longshot	Win. 209	WAA12R	27.2 gr / 9,000 PSI	29.1 gr / 10,200 PSI	31.0 gr / 11,500 PSI	
12 GA., 2 3/4", FEDERAL HI-POWER PLASTIC SHELLS W/ FIBER BASE WADS							
				1200 fps	**1255 fps**	**1310 fps**	
1 1/8 oz	Universal	Fed. 209A	Fed. 12S3	24.0 gr / 8,200 PSI	25.0 gr / 9,000 PSI	26.5 gr / 9,400 PSI	
1 1/8 oz	Universal	Win. 209	WAA12	24.0 gr / 8,300 PSI	25.0 gr / 8,700 PSI	26.5 gr / 9,700 PSI	
1 1/4 oz	Universal	CCI 209M	Rem. SP12	25.5 gr / 7,900 PSI	—	—	
1 1/4 oz	Universal	Fed. 209A	Fed. 12S4	24.0 gr / 10,300 PSI	—	—	
1 1/4 oz	Universal	Win. 209	WAA12 F114	25.5 gr / 9,400 PSI	—	—	
1 1/4 oz	Universal	Win. 209	Fed. 12S4	25.2 gr / 8,800 PSI	—	—	
12 GA., 2 3/4", FEDERAL PAPER SHELLS							
				1250 fps	**1325 fps**	**1400 fps**	**1475 fps**
7/8 oz	Titewad	Fed. 209A	WAA12SL	19.1 gr / 6,900 PSI	20.9 gr / 8,100 PSI	22.7 gr / 9,400 PSI	24.6 gr / 10,600 PSI
7/8 oz	Titewad	Rem. 209P	G/BP SF12	18.4 gr / 8,000 PSI	20.0 gr / 9,400 PSI	21.5 gr / 11,100 PSI	—
7/8 oz	Titewad	Win. 209	WAA12SL	—	21.0 gr / 7,600 PSI	22.9 gr / 8,900 PSI	24.8 gr / 10,200 PSI
7/8 oz	Clays	Fed. 209A	WAA12SL	18.4 gr / 7,200 PSI	20.2 gr / 8,800 PSI	21.9 gr / 10,300 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE

12 GA., 2 3/4", FEDERAL PAPER SHELLS CONT.

				1250 fps	1325 fps	1400 fps	1475 fps
7/8 oz	Clays	Rem. 209P	Rem. Fig. 8	—	20.9 gr / 8,100 PSI	22.5 gr / 9,300 PSI	—
7/8 oz	Clays	Win. 209	WAA12	—	21.2 gr / 7,600 PSI	22.6 gr / 9,300 PSI	24.0 gr / 11,100 PSI
7/8 oz	Internat'l	CCI 209M	Fed. 12S3	—	22.4 gr / 8,000 PSI	24.0 gr / 9,300 PSI	25.7 gr / 10,600 PSI
7/8 oz	Internat'l	Fed. 209A	Fed. 12S3	—	22.0 gr / 8,100 PSI	23.5 gr / 9,500 PSI	25.0 gr / 11,300 PSI
7/8 oz	Internat'l	Win. 209	WAA12	—	23.1 gr / 7,400 PSI	24.6 gr / 8,100 PSI	—
				1180 fps	**1235 fps**	**1290 fps**	**1345 fps**
1 oz	Titewad	CCI 209SC	Windjammer	17.2 gr / 6,900 PSI	19.1 gr / 8,300 PSI	20.1 gr / 8,900 PSI	21.5 gr / 10,200 PSI
1 oz	Titewad	Fed. 209A	Fed. 12S3	18.1 gr / 7,500 PSI	19.5 gr / 8,400 PSI	20.6 gr / 9,700 PSI	22.0 gr / 11,100 PSI
1 oz	Titewad	Rem. 209P	Rem. Fig. 8	17.9 gr / 7,000 PSI	19.2 gr / 8,000 PSI	20.5 gr / 9,000 PSI	21.9 gr / 10,300 PSI
1 oz	Titewad	Win. 209	WAA12	17.4 gr / 7,200 PSI	18.7 gr / 8,900 PSI	20.0 gr / 9,800 PSI	21.3 gr / 10,900 PSI
1 oz	Clays	Fed. 209A	Fed.12S0	18.0 gr / 7,100 PSI	19.5 gr / 8,700 PSI	21.0 gr / 10,900 PSI	—
1 oz	Clays	Rem. 209P	Rem. TGT 12	18.5 gr / 6,000 PSI	20.0 gr / 6,400 PSI	22.0 gr / 7,700 PSI	—
1 oz	Clays	Win. 209	Windjammer	18.0 gr / 5,800 PSI	19.5 gr / 7,300 PSI	20.5 gr / 8,800 PSI	—
1 oz	Clays	Win. 209	WAA12SL	17.5 gr / 6,400 PSI	19.0 gr / 8,300 PSI	21.0 gr / 10,800 PSI	—
				1180 fps	**1235 fps**	**1290 fps**	**1345 fps**
1 oz	Internat'l	CCI 209M	Fed. 12C1	—	21.6 gr / 7,200 PSI	22.8 gr / 8,500 PSI	24.0 gr / 9,700 PSI
1 oz	Internat'l	Fed. 209A	Fed. 12C1	—	20.7 gr / 8,100 PSI	22.0 gr / 9,400 PSI	23.2 gr / 10,600 PSI
1 oz	Internat'l	Rem. 209P	Fed. 12C1	—	—	23.2 gr / 7,900 PSI	24.2 gr / 9,300 PSI
1 oz	Internat'l	Win. 209	Fed. 12C1	—	—	23.2 gr / 7,700 PSI	24.4 gr / 9,100 PSI
				1090 fps	**1145 fps**	**1200 fps**	**1255 fps**
1 1/8 oz	Titewad	Ched. 209	Fed. 12S3	15.9 gr / 8,300 PSI	17.2 gr / 9,700 PSI	18.6 gr / 11,300 PSI	—
1 1/8 oz	Titewad	Ched. 209	Rem. Fig. 8	16.2 gr / 8,300 PSI	17.5 gr / 9,600 PSI	18.8 gr / 10,800 PSI	—
1 1/8 oz	Titewad	Ched. 209	Windjammer	15.9 gr / 8,000 PSI	17.4 gr / 9,400 PSI	18.9 gr / 10,800 PSI	—
1 1/8 oz	Titewad	CCI 209SC	WAA12F114	15.3 gr / 9,600 PSI	16.6 gr / 10,500 PSI	17.5 gr / 10,800 PSI	—
1 1/8 oz	Titewad	CCI 209M	Fed. 12C1	16.3 gr / 8,600 PSI	17.5 gr / 9,800 PSI	18.6 gr / 10,900 PSI	—
1 1/8 oz	Titewad	Fed. 209A	Fed. 12C1	16.6 gr / 7,700 PSI	17.9 gr / 8,800 PSI	19.3 gr / 10,100 PSI	—
1 1/8 oz	Titewad	Fed. 209A	Fed. 12S4	16.2 gr / 9,000 PSI	17.2 gr / 9,600 PSI	18.4 gr / 10,800 PSI	—
1 1/8 oz	Titewad	Fio. 616	Hor. Versalite	16.0 gr / 8,000 PSI	17.0 gr / 9,100 PSI	18.4 gr / 10,500 PSI	—
1 1/8 oz	Titewad	Win. 209	WAA12	16.4 gr / 7,500 PSI	17.4 gr / 8,400 PSI	18.8 gr / 10,000 PSI	—
1 1/8 oz	Clays	Ched. 209	Rem. Fig. 8	16.8 gr / 5,800 PSI	18.4 gr / 8,100 PSI	19.8 gr / 10,300 PSI	—
1 1/8 oz	Clays	Ched. 209	Windjammer	17.5 gr / 6,000 PSI	18.7 gr / 7,800 PSI	20.0 gr / 9,800 PSI	—
1 1/8 oz	Clays	Fed. 209A	Fed. 12C1	17.3 gr / 7,500 PSI	18.3 gr / 8,600 PSI	19.3 gr / 9,700 PSI	—
1 1/8 oz	Clays	Fed. 209A	Fed. 12S3	17.0 gr / 7,400 PSI	18.0 gr / 8,700 PSI	19.5 gr / 10,500 PSI	—
1 1/8 oz	Clays	Fio. 616	Hor. Versalite	16.8 gr / 7,500 PSI	17.5 gr / 8,600 PSI	19.0 gr / 10,300 PSI	—
1 1/8 oz	Clays	Rem. 209P	Rem. Fig. 8	18.0 gr / 5,900 PSI	18.5 gr / 7,000 PSI	19.5 gr / 9,200 PSI	—
1 1/8 oz	Clays	Win. 209	Fed. 12C1	—	19.3 gr / 7,600 PSI	20.0 gr / 8,300 PSI	—
1 1/8 oz	Clays	Win. 209	WAA12	17.0 gr / 7,600 PSI	18.0 gr / 8,800 PSI	19.0 gr / 10,900 PSI	—
1 1/8 oz	Internat'l	Ched. 209	Fed. 12C1	18.1 gr / 6,900 PSI	19.3 gr / 8,200 PSI	20.5 gr / 9,500 PSI	21.6 gr / 10,700 PSI
1 1/8 oz	Internat'l	Ched. 209	Rem. Fig. 8	17.9 gr / 6,900 PSI	19.1 gr / 8,000 PSI	20.4 gr / 9,200 PSI	21.7 gr / 10,400 PSI
1 1/8 oz	Internat'l	Ched. 209	Windjammer	18.5 gr / 6,700 PSI	19.7 gr / 7,800 PSI	20.9 gr / 8,800 PSI	22.1 gr / 9,900 PSI
1 1/8 oz	Internat'l	CCI 209M	Red PC	—	21.2 gr / 7,000 LUP	21.9 gr / 7,500 LUP	22.8 gr / 8,800 LUP
1 1/8 oz	Internat'l	Fed. 209A	Fed. 12C1	19.6 gr / 7,800 PSI	20.9 gr / 9,000 PSI	22.1 gr / 10,200 PSI	—
1 1/8 oz	Internat'l	Fed. 209A	Fed. 12S4	18.8 gr / 7,000 PSI	19.5 gr / 7,500 PSI	21.0 gr / 10,000 PSI	22.0 gr / 11,200 PSI
1 1/8 oz	Internat'l	Win. 209	WAA12	20.0 gr / 6,400 LUP	20.6 gr / 7,000 LUP	21.6 gr / 7,500 LUP	23.2 gr / 8,600 LUP
1 1/8 oz	Internat'l	Rem. 209P	Fed. 12C1	—	21.8 gr / 7,800 PSI	22.9 gr / 9,000 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
12 GA., 2 3/4", FEDERAL PAPER SHELLS CONT.							
				1365 fps	1420 fps	1475 fps	1530 fps
1 1/8 oz	Longshot	Fed. 209A	Fed. 12C1	—	33.1 gr / 8,500 PSI	34.0 gr / 9,800 PSI	34.9 gr / 11,200 PSI
1 1/8 oz	Longshot	Fed. 209A	G/BP Z21	30.6 gr / 8,100 PSI	31.4 gr / 9,400 PSI	32.2 gr / 10,600 PSI	—
1 1/8 oz	Longshot	Rem. 209P	Fed. 12C1	—	33.6 gr / 8,500 PSI	34.6 gr / 9,500 PSI	35.5 gr / 10,300 PSI
1 1/8 oz	Longshot	Win. 209	WAA12 F114	—	—	35.7 gr / 8,700 PSI	36.5 gr / 10,100 PSI
12 GA., 2 3/4", FIOCCHI (PURPLE), VICTORY AND PMC PLASTIC SHELLS							
				1250 fps	1300 fps	1350 fps	1400 fps
7/8 oz	Titewad	Fed. 209A	Fed. 12S0	18.7 gr / 7,400 PSI	19.7 gr / 8,600 PSI	20.7 gr / 9,700 PSI	22.0 gr / 10,500 PSI
7/8 oz	Titewad	Fio. 616	Fed. 12S0	18.2 gr / 7,800 PSI	19.5 gr / 8,900 PSI	20.5 gr / 10,000 PSI	21.5 gr / 11,200 PSI
7/8 oz	Titewad	Win. 209	WAA12SL	18.4 gr / 7,500 PSI	19.5 gr / 8,400 PSI	20.6 gr / 9,300 PSI	21.5 gr / 10,000 PSI
				1200 fps	1250 fps	1300 fps	1350 fps
7/8 oz	Clays	CCI 209M	Purple PC	17.3 gr / 5,700 PSI	18.1 gr / 6,300 PSI	19.2 gr / 7,700 PSI	—
7/8 oz	Clays	Fed. 209A	Rem. TGT 12	16.5 gr / 6,400 PSI	17.7 gr / 7,300 PSI	18.7 gr / 7,400 PSI	—
7/8 oz	Clays	Fio. 616	Fed. 12S0	16.6 gr / 6,800 PSI	17.8 gr / 7,500 PSI	19.2 gr / 8,500 PSI	—
7/8 oz	Clays	Win. 209	WAA12SL	16.8 gr / 6,200 PSI	18.0 gr / 7,200 PSI	19.0 gr / 8,000 PSI	—
7/8 oz	Internat'l	CCI 209SC	WAA12SL	—	21.0 gr / 7,300 PSI	22.0 gr / 8,100 PSI	22.5 gr / 8,500 PSI
				1180 fps	1235 fps	1290 fps	1345 fps
1 oz	Titewad	Fed. 209A	Fed. 12S0	17.0 gr / 8,400 PSI	19.0 gr / 10,200 PSI	20.0 gr / 11,100 PSI	—
1 oz	Titewad	Fio. 616	Rem. Fig. 8	17.0 gr / 8,200 PSI	18.0 gr / 9,200 PSI	19.5 gr / 10,300 PSI	—
1 oz	Titewad	Win. 209	WAA12SL	17.2 gr / 7,400 PSI	18.5 gr / 8,900 PSI	19.8 gr / 9,800 PSI	—
1 oz	Clays	CCI 209M	Purple PC	18.0 gr / 7,300 PSI	19.1 gr / 8,600 PSI	19.9 gr / 9,400 PSI	—
1 oz	Clays	CCI 209SC	WAA12SL	18.0 gr / 8,400 PSI	18.5 gr / 9,500 PSI	—	—
1 oz	Clays	Win. 209	WAA12SL	17.1 gr / 7,800 PSI	18.5 gr / 9,200 PSI	19.3 gr / 10,600 PSI	—
1 oz	Internat'l	CCI 209M	Purple PC	19.6 gr / 6,400 PSI	20.5 gr / 7,000 PSI	21.6 gr / 8,200 PSI	—
1 oz	Internat'l	Win. 209	WAA12SL	19.0 gr / 7,100 PSI	20.0 gr / 8,600 PSI	21.1 gr / 9,600 PSI	—
				1090 fps	1145 fps	1200 fps	1255 fps
1 1/8 oz	Titewad	Ched. 209	Fio. TL1	15.6 gr / 8,800 PSI	17.0 gr / 10,400 PSI	—	—
1 1/8 oz	Titewad	Ched. 209	Rem. Fig. 8	15.5 gr / 8,500 PSI	17.0 gr / 9,600 PSI	18.5 gr / 10,800 PSI	—
1 1/8 oz	Titewad	Ched. 209	WAA12	15.5 gr / 8,600 PSI	16.8 gr / 9,800 PSI	18.1 gr / 11,000 PSI	—
1 1/8 oz	Titewad	Fio. 616	Fio. TL1	15.3 gr / 9,300 PSI	16.4 gr / 10,500 PSI	17.7 gr / 11,400 PSI	—
1 1/8 oz	Titewad	Win. 209	WAA12	16.2 gr / 7,900 PSI	16.9 gr / 8,500 PSI	18.5 gr / 10,000 PSI	—
1 1/8 oz	Clays	Ched. 209	Fio. TL1	16.8 gr / 8,300 PSI	18.1 gr / 9,500 PSI	19.5 gr / 10,800 PSI	—
1 1/8 oz	Clays	Ched. 209	Rem. Fig. 8	16.9 gr / 7,100 PSI	18.3 gr / 8,700 PSI	19.7 gr / 10,300 PSI	—
1 1/8 oz	Clays	Ched. 209	WAA12	16.7 gr / 7,700 PSI	17.9 gr / 9,100 PSI	19.2 gr / 10,500 PSI	—
1 1/8 oz	Clays	CCI 209	Hor. Versalite	17.9 gr / 6,300 LUP	18.9 gr / 7,000 LUP	20.0 gr / 7,700 LUP	—
1 1/8 oz	Clays	CCI 209SC	Fio. TL1	16.8 gr / 8,300 PSI	18.0 gr / 8,900 PSI	—	—
1 1/8 oz	Clays	Fed. 209A	Fed. 12S3	16.5 gr / 9,100 PSI	17.0 gr / 10,000 PSI	—	—
1 1/8 oz	Clays	Fio. 616	Fio. TL1	16.5 gr / 7,000 LUP	17.9 gr / 8,000 LUP	19.4 gr / 9,100 LUP	—
1 1/8 oz	Clays	Rem. 209P	Rem. Fig. 8	17.6 gr / 6,200 LUP	18.8 gr / 6,800 LUP	19.9 gr / 7,500 LUP	—
1 1/8 oz	Clays	Win. 209	WAA12	16.3 gr / 6,800 LUP	17.6 gr / 8,000 LUP	18.9 gr / 9,200 LUP	—
1 1/8 oz	Internat'l	Ched. 209	Fio. TL1	17.9 gr / 7,000 PSI	19.3 gr / 8,200 PSI	20.7 gr / 9,400 PSI	22.0 gr / 10,400 PSI
1 1/8 oz	Internat'l	Ched. 209	Rem. Fig. 8	18.2 gr / 6,600 PSI	19.5 gr / 7,700 PSI	20.8 gr / 8,700 PSI	22.1 gr / 9,700 PSI
1 1/8 oz	Internat'l	Ched. 209	WAA12	17.9 gr / 7,000 PSI	19.1 gr / 7,900 PSI	20.1 gr / 8,700 PSI	21.7 gr / 10,000 PSI
1 1/8 oz	Internat'l	CCI 209SC	Fio. TL1	19.0 gr / 7,400 PSI	20.0 gr / 8,500 PSI	21.0 gr / 9,400 PSI	—
1 1/8 oz	Internat'l	Fed. 209A	Fio. TL1	18.0 gr / 7,800 PSI	18.5 gr / 8,300 PSI	20.0 gr / 10,400 PSI	—
1 1/8 oz	Internat'l	Fio. 616	Fio. TL1	19.3 gr / 7,400 LUP	20.3 gr / 7,700 LUP	21.0 gr / 8,300 LUP	22.6 gr / 9,900 LUP

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
12 GA., 2 3/4", FIOCCHI (PURPLE), VICTORY AND PMC PLASTIC SHELLS CONT.							
				1090 fps	**1145 fps**	**1200 fps**	**1255 fps**
1 1/8 oz	Internat'l	Win. 209	WAA12	19.2 gr / 7,000 LUP	19.7 gr / 7,400 LUP	21.0 gr / 8,500 LUP	22.0 gr / 9,800 LUP
				1200 fps	**1255 fps**	**1310 fps**	
1 1/8 oz	Universal	Fio. 616	Fio. TL1	23.4 gr / 8,600 PSI	25.0 gr / 9,800 PSI	26.5 gr / 10,600 PSI	
1 1/8 oz	Universal	Win. 209	WAA12	23.3 gr / 9,100 PSI	24.0 gr / 9,600 PSI	25.0 gr / 10,800 PSI	
				1420 fps	**1475 fps**	**1530 fps**	**1585 fps**
1 1/8 oz	Longshot	Fio. 616	Fed. 12S3	33.2 gr / 8,000 PSI	34.7 gr / 8,900 PSI	36.2 gr / 9,800 PSI	37.8 gr / 10,700 PSI
1 1/8 oz	Longshot	Fio. 616	Fio. TL1	33.4 gr / 8,300 PSI	34.8 gr / 9,300 PSI	36.2 gr / 10,300 PSI	37.6 gr / 11,200 PSI
1 1/8 oz	Longshot	Fio. 616	Rem. Fig. 8	33.4 gr / 7,500 PSI	34.9 gr / 8,500 PSI	36.4 gr / 9,400 PSI	37.9 gr / 10,300 PSI
1 1/8 oz	Longshot	Fio. 616	WAA12	32.7 gr / 8,400 PSI	34.0 gr / 9,300 PSI	35.3 gr / 10,100 PSI	36.6 gr / 11,000 PSI
1 1/8 oz	Longshot	Fio. 616	Windjammer	33.7 gr / 7,600 PSI	35.3 gr / 8,400 PSI	36.8 gr / 9,200 PSI	38.3 gr / 10,000 PSI
				1220 fps	**1330 fps**		
1 1/4 oz	Universal	Fio. 616	WAA12F114	24.0 gr / 10,900 PSI	—		
1 1/4 oz	Universal	Win. 209	Rem. SP12	24.0 gr / 10,900 PSI	—		
1 1/4 oz	HS-6	Win. 209	Rem. R12H	—	35.0 gr / 9,200 LUP		
				1260 fps			
1 1/2 oz	HS-7	Fio. 616	WAA12R	39.0 gr / 10,800 LUP			
12 GA., 2 3/4", REMINGTON PREMIER, NITRO 27 AND STS PLASTIC SHELLS							
				1250 fps	**1300 fps**	**1350 fps**	**1400 fps**
7/8 oz	Titewad	CCI 209	Rem. TGT 12	16.9 gr / 9,400 PSI	17.8 gr / 10,800 PSI	19.0 gr / 11,400 PSI	—
7/8 oz	Titewad	CCI 209	WAA12L	16.8 gr / 10,100 PSI	18.0 gr / 10,700 PSI	19.0 gr / 11,500 PSI	—
7/8 oz	Titewad	CCI 209SC	Rem. TGT 12	16.6 gr / 9,600 PSI	17.7 gr / 10,800 PSI	18.8 gr / 11,500 PSI	—
7/8 oz	Titewad	CCI 209SC	WAA12SL	17.0 gr / 10,600 PSI	17.3 gr / 10,900 PSI	—	—
7/8 oz	Titewad	Fed. 209A	Rem. TGT 12	16.8 gr / 9,100 PSI	18.0 gr / 10,100 PSI	19.1 gr / 11,000 PSI	20.2 gr / 11,500 PSI
7/8 oz	Titewad	Fed. 209A	WAA12L	17.0 gr / 9,600 PSI	18.0 gr / 10,700 PSI	19.0 gr / 11,500 PSI	—
7/8 oz	Titewad	Rem. 209P	CB-4100-12	17.8 gr / 7,000 PSI	19.0 gr / 8,000 PSI	20.1 gr / 8,800 PSI	21.3 gr / 9,700 PSI
7/8 oz	Titewad	Rem. 209P	Rem. TGT 12	17.4 gr / 8,200 PSI	18.7 gr / 9,100 PSI	19.8 gr / 9,500 PSI	21.0 gr / 10,500 PSI
7/8 oz	Titewad	Rem. 209P	WAA12L	16.9 gr / 8,200 PSI	18.4 gr / 9,400 PSI	19.7 gr / 10,100 PSI	20.9 gr / 11,300 PSI
7/8 oz	Titewad	Win. 209	CB-4100-12	18.7 gr / 7,000 PSI	19.8 gr / 7,800 PSI	20.9 gr / 8,500 PSI	22.1 gr / 9,400 PSI
7/8 oz	Titewad	Win. 209	Rem. TGT 12	17.0 gr / 8,500 PSI	18.0 gr / 9,900 PSI	19.2 gr / 10,900 PSI	—
7/8 oz	Titewad	Win. 209	WAA12L	17.3 gr / 8,300 PSI	18.6 gr / 9,200 PSI	19.8 gr / 10,600 PSI	21.1 gr / 11,300 PSI
				1200 fps	**1250 fps**	**1300 fps**	**1350 fps**
7/8 oz	Clays	CCI 209	Rem. TGT 12	16.1 gr / 7,900 PSI	17.3 gr / 9,400 PSI	18.3 gr / 10,100 PSI	19.6 gr / 11,200 PSI
7/8 oz	Clays	CCI 209	WAA12L	16.3 gr / 8,800 PSI	17.3 gr / 9,900 PSI	18.7 gr / 11,200 PSI	—
7/8 oz	Clays	CCI 209SC	Rem. TGT 12	18.0 gr / 7,000 PSI	18.8 gr / 7,900 PSI	19.5 gr / 8,900 PSI	20.5 gr / 9,900 PSI
7/8 oz	Clays	CCI 209SC	WAA12L	16.8 gr / 7,000 PSI	17.8 gr / 7,800 PSI	18.6 gr / 10,000 PSI	19.6 gr / 11,000 PSI
7/8 oz	Clays	Fed. 209A	Activ TG-30	16.2 gr / 7,700 PSI	17.5 gr / 9,200 PSI	18.5 gr / 10,300 PSI	—
7/8 oz	Clays	Fed. 209A	Fed. 12S0	16.3 gr / 8,900 PSI	17.3 gr / 9,600 PSI	18.5 gr / 11,500 PSI	—
7/8 oz	Clays	Fed. 209A	Rem. TGT 12	16.1 gr / 8,700 PSI	17.3 gr / 9,800 PSI	18.3 gr / 11,100 PSI	—
7/8 oz	Clays	Fed. 209A	WAA12L	16.0 gr / 8,100 PSI	17.0 gr / 10,200 PSI	18.2 gr / 10,800 PSI	—
7/8 oz	Clays	Rem. 209P	CB-4100-12	16.9 gr / 5,800 PSI	18.2 gr / 6,700 PSI	19.6 gr / 7,600 PSI	20.9 gr / 8,400 PSI
7/8 oz	Clays	Rem. 209P	Rem. TGT 12	16.4 gr / 6,300 PSI	17.5 gr / 7,100 PSI	18.9 gr / 7,400 PSI	—
7/8 oz	Clays	Rem. 209P	Fed. 12S0	16.0 gr / 7,500 PSI	17.2 gr / 8,200 PSI	18.8 gr / 9,100 PSI	—
7/8 oz	Clays	Rem. 209P	WAA12SL	—	18.0 gr / 8,400 PSI	19.5 gr / 10,200 PSI	—
7/8 oz	Clays	Rem. 209P	WAA12L	16.8 gr / 6,700 PSI	18.0 gr / 7,300 PSI	19.3 gr / 9,000 PSI	20.3 gr / 9,700 PSI
7/8 oz	Clays	Win. 209	CB-4100-12	18.8 gr / 5,200 PSI	19.8 gr / 6,100 PSI	20.8 gr / 7,000 PSI	21.8 gr / 7,900 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE

12 GA., 2 3/4", REMINGTON PREMIER, NITRO 27 AND STS PLASTIC SHELLS CONT.

				1200 fps	1250 fps	1300 fps	1350 fps
7/8 oz	Clays	Win. 209	Rem. TGT 12	16.8 gr / 7,500 PSI	18.0 gr / 8,400 PSI	19.0 gr / 9,100 PSI	20.0 gr / 10,100PSI
7/8 oz	Clays	Win. 209	WAA12SL	15.9 gr / 7,100 PSI	17.1 gr / 8,900 PSI	18.2 gr / 10,000 PSI	—
7/8 oz	Clays	Win. 209	WAA12L	17.1 gr / 8,100 PSI	18.0 gr / 8,900 PSI	19.3 gr / 10,100 PSI	20.1 gr / 11,400 PSI
				1250 fps	**1300 fps**	**1350 fps**	**1400 fps**
7/8 oz	Internat'l	CCI 209	Rem. TGT 12	19.8 gr / 6,900 PSI	20.8 gr / 7,800 PSI	21.9 gr / 8,700 PSI	22.9 gr / 9,600 PSI
7/8 oz	Internat'l	CCI 209	WAA12L	20.0 gr / 7,100 PSI	20.9 gr / 7,900 PSI	21.9 gr / 8,700 PSI	22.8 gr / 9,500 PSI
7/8 oz	Internat'l	CCI 209SC	Rem. TGT 12	20.7 gr / 7,100 PSI	21.0 gr / 7,700 PSI	22.2 gr / 8,400 PSI	23.2 gr / 9,200 PSI
7/8 oz	Internat'l	CCI 209SC	WAA12L	20.0 gr / 7,100 PSI	21.0 gr / 8,000 PSI	22.0 gr / 9,000 PSI	22.9 gr / 9,900 PSI
7/8 oz	Internat'l	Fed. 209A	Fed. 12S0	19.3 gr / 7,700 PSI	20.4 gr / 8,700 PSI	21.4 gr / 9,600 PSI	22.5 gr / 10,600PSI
7/8 oz	Internat'l	Fed. 209A	Rem. TGT 12	19.1 gr / 7,300 PSI	20.2 gr / 8,200 PSI	21.3 gr / 9,000 PSI	22.4 gr / 9,900 PSI
7/8 oz	Internat'l	Fed. 209A	WAA12L	19.4 gr / 7,200 PSI	20.4 gr / 8,000 PSI	21.5 gr / 9,000 PSI	22.6 gr / 10,000PSI
7/8 oz	Internat'l	Rem. 209P	Rem. TGT 12	20.0 gr / 6,600 PSI	21.0 gr / 7,500 PSI	21.9 gr / 8,300 PSI	22.9 gr / 9,200 PSI
7/8 oz	Internat'l	Rem. 209P	WAA12L	20.5 gr / 6,900 PSI	21.3 gr / 7,600 PSI	22.2 gr / 8,400 PSI	23.1 gr / 9,300 PSI
7/8 oz	Internat'l	Win. 209	Fed. 12S0	20.2 gr / 6,900 PSI	21.2 gr / 7,800 PSI	22.2 gr / 8,700 PSI	23.2 gr / 9,500 PSI
7/8 oz	Internat'l	Win. 209	Rem. TGT 12	20.2 gr / 6,500 PSI	21.3 gr / 7,300 PSI	22.3 gr / 8,100 PSI	23.4 gr / 8,900 PSI
7/8 oz	Internat'l	Win. 209	WAA12L	20.7 gr / 6,500 PSI	21.5 gr / 7,400 PSI	22.3 gr / 8,200 PSI	23.1 gr / 9,100 PSI
				1125 fps	**1180 fps**	**1235 fps**	**1290 fps**
1 oz	Titewad	CCI 209	Purple PC	—	17.0 gr / 8,200 PSI	18.0 gr / 10,100 PSI	19.0 gr / 10,500PSI
1 oz	Titewad	CCI 209	Rem. TGT 12	15.2 gr / 8,200 PSI	16.4 gr / 9,100 PSI	17.7 gr / 10,500 PSI	19.0 gr / 11,400 PS
1 oz	Titewad	CCI 209	WAA12L	15.8 gr / 8,200 PSI	16.8 gr / 9,000 PSI	17.8 gr / 10,500 PSI	—
1 oz	Titewad	CCI 209SC	WAA12SL	15.2 gr / 8,200 PSI	16.2 gr / 9,700 PSI	17.5 gr / 10,800 PSI	18.5 gr / 11,400 PSI
1 oz	Titewad	Fed. 209A	Purple PC	16.2 gr / 6,500 PSI	17.2 gr / 7,200 PSI	18.4 gr / 8,000 PSI	20.0 gr / 9,800PSI
1 oz	Titewad	Fed. 209A	Rem. TGT 12	15.5 gr / 7,500 PSI	16.5 gr / 8,800 PSI	17.8 gr / 10,000 PSI	—
1 oz	Titewad	Fed. 209A	WAA12SL	15.8 gr / 8,000 PSI	17.0 gr / 8,600 PSI	18.2 gr / 10,100 PSI	19.4 gr / 11,000 PSI
1 oz	Titewad	Fio. 616	Windjammer	—	—	18.0 gr / 9,600 PSI	19.2 gr / 10,800 PSI
1 oz	Titewad	Rem. 209P	CB-4100-12	15.7 gr / 6,800 PSI	17.0 gr / 8,100 PSI	18.2 gr / 9,300 PSI	19.5 gr / 10,600PSI
1 oz	Titewad	Rem. 209P	WAA12SL	15.5 gr / 7,900 PSI	16.7 gr / 9,200 PSI	18.0 gr / 10,000 PSI	19.0 gr / 11,300 PSI
1 oz	Titewad	Rem. 209P	Rem. TGT 12	—	16.7 gr / 7,800 PSI	18.2 gr / 9,600 PSI	19.4 gr / 11,300 PSI
1 oz	Titewad	Win. 209	CB-4100-12	15.8 gr / 6,800 PSI	17.1 gr / 7,900 PSI	18.4 gr / 9,200 PSI	19.6 gr / 10,200PSI
1 oz	Titewad	Win. 209	Purple PC	16.6 gr / 5,600 PSI	17.7 gr / 6,900 PSI	19.0 gr / 8,400 PSI	20.2 gr / 9,800 PSI
1 oz	Titewad	Win. 209	Rem. TGT 12	15.3 gr / 7,400 PSI	16.6 gr / 8,600 PSI	17.9 gr / 9,800 PSI	19.2 gr / 11,000 PSI
1 oz	Titewad	Win. 209	WAA12SL	15.5 gr / 7,900 PSI	16.5 gr / 8,900 PSI	18.0 gr / 11,000 PSI	—
1 oz	Clays	CCI 209	Purple PC	17.1 gr / 6,400 LUP	18.3 gr / 7,100 LUP	19.5 gr / 7,700 LUP	20.7 gr / 8,400 LUP
1 oz	Clays	CCI 209	Rem. TGT 12	15.4 gr / 8,700 PSI	16.6 gr / 9,600 PSI	18.2 gr / 11,400 PSI	—
1 oz	Clays	CCI 209	WAA12SL	15.1 gr / 8,500 PSI	16.3 gr / 10,100 PSI	17.5 gr / 11,200 PSI	—
1 oz	Clays	CCI 209SC	Rem. TGT 12	15.7 gr / 6,900 LUP	17.8 gr / 8,100 LUP	18.8 gr / 9,900 LUP	20.5 gr / 11,100 LUP
1 oz	Clays	CCI 209SC	WAA12SL	15. 8 gr/ 8,300 PSI	16.6 gr /10,000 PSI	17.4 gr / 11,300 PSI	—
1 oz	Clays	Fed. 209A	Purple PC	16.0 gr / 7,900 PSI	17.0 gr / 9,100 PSI	18.5 gr / 10,300 PSI	—
1 oz	Clays	Fed. 209A	WAA12SL	15.6 gr / 9,200 PSI	16.5 gr / 10,800 PSI	17.7 gr / 11,300 PSI	—
1 oz	Clays	Rem. 209P	CB-4100-12	16.7 gr / 5,800 PSI	18.0 gr / 7,200 PSI	19.2 gr / 8,500 PSI	20.4 gr / 9,800 PSI
1 oz	Clays	Rem. 209P	Purple PC	16.6 gr / 6,100 PSI	17.8 gr / 7,400 PSI	19.1 gr / 8,800 PSI	20.3 gr / 10,100PSI
1 oz	Clays	Rem. 209P	Rem. TGT 12	16.8 gr / 6,600 LUP	17.9 gr / 7,400 LUP	18.9 gr / 8,100 LUP	19.9 gr / 8,800 LUP
1 oz	Clays	Rem. 209P	WAA12SL	16.4 gr / 6,700 PSI	17.6 gr / 8,100 PSI	18.7 gr / 9,400 PSI	19.9 gr / 10,900PSI
1 oz	Clays	Win. 209	Purple PC	16.8 gr / 5,700 PSI	18.1 gr / 7,000 PSI	19.4 gr / 8,300 PSI	20.6 gr / 9,500 PSI
1 oz	Clays	Win. 209	Rem. TGT 12	16.3 gr / 6,500 PSI	17.6 gr / 7,900 PSI	18.8 gr / 9,200 PSI	20.1 gr / 10,500PSI
1 oz	Clays	Win. 209	WAA12SL	15.7 gr / 7,100 LUP	17.0 gr / 8,200 LUP	18.4 gr / 9,500 LUP	19.8 gr / 10,700 LUP

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
12 GA., 2 3/4", REMINGTON PREMIER, NITRO 27 AND STS PLASTIC SHELLS CONT.							
				1125 fps	**1180 fps**	**1235 fps**	**1290 fps**
1 oz	Clays	Win. 209	Windjammer	17.3 gr / 5,500 PSI	18.4 gr / 7,100 PSI	19.5 gr / 8,600 PSI	20.6 gr / 10,200PSI
				1180 fps	**1235 fps**	**1290 fps**	**1345 fps**
1 oz	Internat'l	CCI 209	Rem. TGT 12	19.0 gr / 6,800 PSI	20.0 gr / 7,900 PSI	21.0 gr / 9,000 PSI	22.0 gr / 10,100PSI
1 oz	Internat'l	CCI 209	WAA12SL	18.6 gr / 7,400 PSI	19.8 gr / 8,500 PSI	21.0 gr / 9,500 PSI	22.3 gr / 10,600PSI
1 oz	Internat'l	CCI 209SC	Purple PC	18.7 gr / 7,200 PSI	20.0 gr / 8,100 PSI	21.2 gr / 9,000 PSI	22.5 gr / 10,000PSI
1 oz	Internat'l	CCI 209SC	Rem. TGT 12	19.5 gr / 6,800 PSI	20.8 gr / 7,800 PSI	22.2 gr / 9,300 PSI	22.8 gr /10,300 PSI
1 oz	Internat'l	CCI 209SC	WAA12SL	18.7 gr / 7,200 PSI	19.8 gr / 8,300 PSI	21.0 gr / 9,400 PSI	22.2 gr / 10,600PSI
1 oz	Internat'l	Fed. 209A	Purple PC	18.4 gr / 7,100 PSI	19.6 gr / 8,200 PSI	20.9 gr / 9,400 PSI	22.2 gr / 10,600PSI
1 oz	Internat'l	Fed. 209A	Rem. TGT 12	18.2 gr / 7,900 PSI	19.2 gr / 9,000 PSI	20.2 gr / 10,000 PSI	21.3 gr / 11,100 PSI
1 oz	Internat'l	Fed. 209A	WAA12SL	17.8 gr / 7,500 PSI	19.0 gr / 8,800 PSI	20.3 gr / 10,200 PSI	21.5 gr / 11,500 PSI
1 oz	Internat'l	Rem. 209P	Purple PC	19.2 gr / 6,800 PSI	20.5 gr / 7,900 PSI	21.7 gr / 8,900 PSI	23.0 gr / 9,900 PSI
1 oz	Internat'l	Rem. 209P	Rem. TGT 12	20.2 gr / 6,800 LUP	20.9 gr / 7,700 LUP	21.4 gr / 8,900 LUP	—
1 oz	Internat'l	Rem. 209P	WAA12SL	19.0 gr / 6,800 PSI	20.2 gr / 8,100 PSI	21.3 gr / 9,300 PSI	22.4 gr / 10,500PSI
1 oz	Internat'l	Win. 209	Purple PC	20.2 gr / 6,500 PSI	21.3 gr / 7,500 PSI	22.4 gr / 8,500 PSI	23.5 gr / 9,600 PSI
1 oz	Internat'l	Win. 209	Rem. TGT 12	18.9 gr / 7,100 PSI	20.2 gr / 8,200 PSI	21.5 gr / 9,300 PSI	22.8 gr / 10,300PSI
1 oz	Internat'l	Win. 209	WAA12SL	18.4 gr / 7,100 LUP	20.1 gr / 8,600 LUP	21.0 gr / 10,000 LUP	
1 oz	Titegroup	Rem. 209P	Rem. TGT 12	16.1 gr / 7,900 PSI	17.3 gr / 8,900 PSI	18.6 gr / 10,100 PSI	19.9 gr / 11,200 PSI
1 oz	Titegroup	Rem. 209P	WAA12SL	16.4 gr / 7,700 PSI	17.6 gr / 9,100 PSI	18.8 gr / 10,400 PSI	—
1 oz	Titegroup	Win. 209	Rem. TGT 12	16.0 gr / 7,700 PSI	17.5 gr / 8,900 PSI	18.9 gr / 10,000 PSI	20.3 gr / 11,000 PSI
1 oz	Titegroup	Win. 209	WAA12SL	16.3 gr / 8,100 PSI	17.6 gr / 9,100 PSI	18.9 gr / 10,200 PSI	20.5 gr / 11,300 PSI
				1090 fps	**1145 fps**	**1200 fps**	**1255 fps**
1 1/8 oz	Titewad	Ched. 209	Rem. Fig. 8	15.3 gr / 10,400 PSI	16.2 gr / 11,000 PSI	—	—
1 1/8 oz	Titewad	Ched. 209	WAA12	15.0 gr / 10,400 PSI	15.8 gr / 11,400 PSI	—	—
1 1/8 oz	Titewad	Ched. 209	Windjammer	15.5 gr / 9,400 PSI	16.5 gr / 10,500 PSI	—	—
1 1/8 oz	Titewad	CCI 209	Red PC	15.5 gr / 10,200 PSI	16.0 gr / 10,800 PSI	—	—
1 1/8 oz	Titewad	CCI 209	Rem. Fig. 8	15.0 gr / 10,600 PSI	15.8 gr / 11,300 PSI	—	—
1 1/8 oz	Titewad	CCI 209SC	WAA12	15.0 gr / 10,100 PSI	15.8 gr / 11,100 PSI	—	—
1 1/8 oz	Titewad	CCI 209SC	Windjammer	15.0 gr / 10,000 PSI	16.0 gr / 11,100 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Red PC	15.5 gr / 9,200 PSI	16.5 gr / 9,700 PSI	18.0 gr / 11,300 PSI	—
1 1/8 oz	Titewad	Fed. 209A	Rem. Fig. 8	15.2 gr / 9,600 PSI	16.3 gr / 10,700 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	WAA12	15.2 gr / 9,800 PSI	16.0 gr / 10,500 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Windjammer	15.3 gr / 9,000 PSI	16.3 gr / 9,500 PSI	17.8 gr / 11,100 PSI	—
1 1/8 oz	Titewad	Fio. 616	Fio. TL1	15.0 gr / 10,700 PSI	16.0 gr / 11,500 PSI	—	—
1 1/8 oz	Titewad	Fio. 616	Rem. Fig. 8	15.0 gr / 10,000 PSI	16.0 gr / 11,000 PSI	—	—
1 1/8 oz	Titewad	Fio. 616	WAA12	15.0 gr / 9,400 PSI	16.0 gr / 10,600 PSI	—	—
1 1/8 oz	Titewad	Rem. 209P	Red PC	15.5 gr / 8,600 PSI	16.7 gr / 10,200 PSI	18.0 gr / 11,300 PSI	—
1 1/8 oz	Titewad	Rem. 209P	Rem. Fig 8	15.2 gr / 9,100 PSI	16.5 gr / 10,100 PSI	17.9 gr / 10,900 PSI	—
1 1/8 oz	Titewad	Rem. 209P	Trapper	15.0 gr / 10,200 PSI	16.0 gr / 11,000 PSI	—	—
1 1/8 oz	Titewad	Rem. 209P	WAA12	15.1 gr / 9,700 PSI	16.1 gr / 10,900 PSI	—	—
1 1/8 oz	Titewad	Rem. 209P	Windjammer	15.3 gr / 9,000 PSI	16.5 gr / 10,200 PSI	17.6 gr / 11,400 PSI	—
1 1/8 oz	Titewad	Win. 209	Fed. 12S3	16.0 gr / 9,600 PSI	17.0 gr / 10,900 PSI	—	—
1 1/8 oz	Titewad	Win. 209	Hawk	15.2 gr / 9,500 PSI	16.3 gr / 10,700 PSI	—	—
1 1/8 oz	Titewad	Win. 209	Red PC	15.8 gr / 8,000 PSI	17.1 gr / 9,500 PSI	18.3 gr / 10,900 PSI	—
1 1/8 oz	Titewad	Win. 209	Rem. Fig. 8	15.8 gr / 9,200 PSI	16.8 gr / 10,400 PSI	17.8 gr / 11,300 PSI	—
1 1/8 oz	Titewad	Win. 209	Trapper	15.1 gr / 9,900 PSI	16.3 gr / 11,200 PSI	—	—
1 1/8 oz	Titewad	Win. 209	WAA12	15.4 gr / 8,700 PSI	16.7 gr / 10,000 PSI	17.9 gr / 11,400 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE

12 GA., 2 3/4", REMINGTON PREMIER, NITRO 27 AND STS PLASTIC SHELLS CONT.

				1090 fps	1145 fps	1200 fps	1255 fps
1 1/8 oz	Titewad	Win. 209	Windjammer	16.1 gr / 9,100 PSI	17.2 gr / 10,400 PSI	18.5 gr / 11,500 PSI	—
1 1/8 oz	Clays	Ched. 209	Rem. Fig. 8	16.0 gr / 9,100 PSI	17.2 gr / 10,400 PSI	—	—
1 1/8 oz	Clays	Ched. 209	WAA12	15.5 gr / 9,500 PSI	16.4 gr / 10,600 PSI	—	—
1 1/8 oz	Clays	Ched. 209	Windjammer	15.7 gr / 8,100 PSI	17.0 gr / 9,500 PSI	18.3 gr / 10,800 PSI	—
1 1/8 oz	Clays	CCI 209	Red PC	16.0 gr / 8,400 PSI	17.4 gr / 9,800 PSI	18.8 gr / 11,300 PSI	—
1 1/8 oz	Clays	CCI 209	Rem. Fig. 8	16.8 gr / 7,400 PSI	18.0 gr / 9,300 PSI	19.3 gr / 11,400 PSI	—
1 1/8 oz	Clays	CCI 209	WAA12	15.9 gr / 8,500 PSI	17.2 gr / 10,300 PSI	18.2 gr / 11,500 PSI	—
1 1/8 oz	Clays	CCI 209	Windjammer	16.6 gr / 6,400 LUP	18.0 gr / 7,500 LUP	19.4 gr / 8,600 LUP	—
1 1/8 oz	Clays	CCI 209SC	Red PC	15.7 gr / 8,700 PSI	17.0 gr / 10,100 PSI	18.4 gr / 11,500 PSI	—
1 1/8 oz	Clays	CCI 209SC	Rem. Fig. 8	16.0 gr / 6,600 PSI	17.0 gr / 8,100 PSI	18.0 gr / 8,800 PSI	—
1 1/8 oz	Clays	CCI 209SC	WAA12	16.0 gr / 9,300 PSI	17.0 gr / 10,900 PSI	—	—
1 1/8 oz	Clays	CCI 209SC	Windjammer	—	17.6 gr /9,900 PSI	18.5 gr / 11,500 PSI	—
1 1/8 oz	Clays	Fed. 209A	Red PC	15.8 gr / 8,900 PSI	16.6 gr / 10,200 PSI	18.0 gr / 11,300 PSI	—
1 1/8 oz	Clays	Fed. 209A	Rem. Fig. 8	15.8 gr / 9,500 PSI	16.9 gr / 10,700 PSI	—	—
1 1/8 oz	Clays	Fed. 209A	WAA12	15.5 gr / 9,900 PSI	16.6 gr / 11,200 PSI	—	—
1 1/8 oz	Clays	Fed. 209A	Windjammer	16.2 gr / 8,500 PSI	17.3 gr / 10,000 PSI	18.4 gr / 11,400 PSI	—
1 1/8 oz	Clays	Fio. 616	Rem. Fig. 8	15.8 gr / 8,600 PSI	17.0 gr / 10,500 PSI	—	—
1 1/8 oz	Clays	Fio. 616	WAA12	15.8 gr / 9,100 PSI	16.8 gr / 10,600 PSI	—	—
1 1/8 oz	Clays	Fio. 616	Windjammer	15.9 gr / 8,100 PSI	17.2 gr / 9,500 PSI	18.4 gr / 10,800 PSI	—
1 1/8 oz	Clays	Rem. 209P	Hawk	15.5 gr / 9,000 PSI	16.5 gr / 10,600 PSI	—	—
1 1/8 oz	Clays	Rem. 209P	Red PC	16.5 gr / 8,200 PSI	17.7 gr / 9,900 PSI	18.8 gr / 11,500 PSI	—
1 1/8 oz	Clays	Rem. 209P	Rem. Fig 8	16.9 gr / 6,900 LUP	18.0 gr / 7,900 LUP	19.2 gr / 9,000 LUP	—
1 1/8 oz	Clays	Rem. 209P	Trapper	15.9 gr / 9,400 PSI	17.0 gr / 11,200 PSI	—	—
1 1/8 oz	Clays	Rem. 209P	WAA12	16.6 gr / 7,700 LUP	17.7 gr / 9,000 LUP	18.8 gr / 10,300 LUP	—
1 1/8 oz	Clays	Rem. 209P	Windjammer	16.3 gr / 8,100 PSI	17.5 gr / 9,500 PSI	18.8 gr / 11,100 PSI	—
1 1/8 oz	Clays	Win. 209	Hawk	15.8 gr / 8,600 PSI	17.2 gr / 10,000 PSI	18.6 gr / 11,500 PSI	—
1 1/8 oz	Clays	Win. 209	Hor Versalite	15.8 gr / 7,600 LUP	17.2 gr / 9,100 LUP	18.6 gr / 10,500 LUP	—
1 1/8 oz	Clays	Win. 209	Lage Uniwad	16.6 gr / 8,800 PSI	17.7 gr / 10,300 PSI	—	—
1 1/8 oz	Clays	Win. 209	Red PC	16.5 gr / 7,800 PSI	17.7 gr / 9,400 PSI	19.0 gr / 11,100 PSI	—
1 1/8 oz	Clays	Win. 209	Rem. Fig. 8	16.4 gr / 8,400 PSI	17.5 gr / 9,700 PSI	18.6 gr / 11,000 PSI	—
1 1/8 oz	Clays	Win. 209	Trapper	16.2 gr / 9,200 PSI	17.3 gr / 10,500 PSI	—	—
1 1/8 oz	Clays	Win. 209	WAA12	16.2 gr / 8,100 PSI	17.3 gr / 9,700 PSI	18.4 gr / 11,300 PSI	—
1 1/8 oz	Clays	Win. 209	Windjammer	16.8 gr / 7,700 PSI	18.1 gr / 9,100 PSI	19.4 gr / 10,500 PSI	—
1 1/8 oz	Internat'l	Ched. 209	Rem. Fig. 8	17.6 gr / 7,800 PSI	18.7 gr / 8,900 PSI	19.8 gr / 10,100 PSI	21.0 gr / 11,300 PSI
1 1/8 oz	Internat'l	Ched. 209	WAA12	17.1 gr / 8,000 PSI	18.3 gr / 9,200 PSI	19.5 gr / 10,400 PSI	—
1 1/8 oz	Internat'l	Ched. 209	Windjammer	17.7 gr / 7,500 PSI	18.8 gr / 8,600 PSI	19.9 gr / 9,600 PSI	21.1 gr / 10,800 PSI
1 1/8 oz	Internat'l	CCI 209	Red PC	17.9 gr / 6,800 PSI	19.0 gr / 8,200 PSI	20.1 gr / 9,600 PSI	21.2 gr / 11,100 PSI
1 1/8 oz	Internat'l	CCI 209	Rem. Fig. 8	17.8 gr / 7,400 PSI	19.0 gr / 8,800 PSI	20.2 gr / 10,200 PSI	21.3 gr / 11,400 PSI
1 1/8 oz	Internat'l	CCI 209	WAA12	17.1 gr / 7,800 PSI	18.3 gr / 8,900 PSI	19.6 gr / 10,200 PSI	20.9 gr / 11,400 PSI
1 1/8 oz	Internat'l	CCI 209	Windjammer	19.2 gr / 6,100 LUP	19.8 gr / 6,500 LUP	21.2 gr / 7,500 LUP	22.3 gr / 8,300 LUP
1 1/8 oz	Internat'l	CCI 209SC	Red PC	17.6 gr / 7,800 PSI	18.9 gr / 9,100 PSI	19.8 gr / 10,000 PSI	20.8 gr / 11,000 PSI
1 1/8 oz	Internat'l	CCI 209SC	Rem. Fig. 8	18.0 gr / 7,200 PSI	19.0 gr / 7,900 PSI	20.3 gr / 9,300 PSI	22.0 gr /10,300 PSI
1 1/8 oz	Internat'l	CCI 209SC	WAA12	17.1 gr / 7,900 PSI	18.3 gr / 9,200 PSI	19.5 gr / 10,400 PSI	20.8 gr / 11,500 PSI
1 1/8 oz	Internat'l	CCI 209SC	Windjammer	17.6 gr / 7,500 PSI	18.8 gr / 8,600 PSI	20.0 gr / 9,700 PSI	21.2 gr / 10,700PSI
1 1/8 oz	Internat'l	Fed. 209A	Red PC	17.1 gr / 8,100 PSI	18.3 gr / 9,200 PSI	19.5 gr / 10,300 PSI	20.6 gr / 11,300 PSI
1 1/8 oz	Internat'l	Fed. 209A	Rem. Fig. 8	16.9 gr / 8,200 PSI	18.0 gr / 9,300 PSI	19.3 gr / 10,700 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE

12 GA., 2 3/4", REMINGTON PREMIER, NITRO 27 AND STS PLASTIC SHELLS CONT.

				1090 fps	1145 fps	1200 fps	1255 fps
1 1/8 oz	Internat'l	Fed. 209A	WAA12	16.7 gr / 8,300 PSI	17.9 gr / 9,600 PSI	19.1 gr / 10,800 PSI	—
1 1/8 oz	Internat'l	Fed. 209A	Windjammer	16.9 gr / 7,600 PSI	18.2 gr / 8,900 PSI	19.6 gr / 10,200 PSI	20.9 gr / 11,400 PSI
1 1/8 oz	Internat'l	Fio. 616	Rem. Fig. 8	17.3 gr / 7,900 PSI	18.5 gr / 9,000 PSI	19.7 gr / 10,100 PSI	20.9 gr / 11,300 PSI
1 1/8 oz	Internat'l	Fio. 616	WAA12	17.2 gr / 8,300 PSI	18.3 gr / 9,500 PSI	19.4 gr / 10,700 PSI	—
1 1/8 oz	Internat'l	Fio. 616	Windjammer	17.3 gr / 6,900 PSI	18.7 gr / 8,400 PSI	20.0 gr / 9,800 PSI	21.4 gr / 11,200 PSI
1 1/8 oz	Internat'l	Rem. 209P	Fed. 12S3	17.6 gr / 6,900 LUP	18.3 gr / 7,800 LUP	19.4 gr / 9,000 LUP	20.6 gr / 10,200 LUP
1 1/8 oz	Internat'l	Rem. 209P	Hawk	17.5 gr / 7,700 PSI	18.7 gr / 8,900 PSI	19.9 gr / 10,200 PSI	21.0 gr / 11,300 PSI
1 1/8 oz	Internat'l	Rem. 209P	Hor. Vers.	17.2 gr / 7,700 PSI	18.4 gr / 8,900 PSI	19.6 gr / 10,100 PSI	20.8 gr / 11,300 PSI
1 1/8 oz	Internat'l	Rem. 209P	Red PC	17.6 gr / 7,300 PSI	18.9 gr / 8,600 PSI	20.2 gr / 9,900 PSI	21.4 gr / 11,100 PSI
1 1/8 oz	Internat'l	Rem. 209P	Rem. Fig. 8	18.6 gr / 6,400 LUP	19.6 gr / 7,000 LUP	20.9 gr / 7,500 LUP	21.7 gr / 9,100 LUP
1 1/8 oz	Internat'l	Rem. 209P	Trapper	17.3 gr / 8,400 PSI	18.4 gr / 9,200 PSI	19.8 gr / 10,300 PSI	21.2 gr / 11,400 PSI
1 1/8 oz	Internat'l	Rem. 209P	WAA12	18.3 gr / 7,000 LUP	18.8 gr / 7,600 LUP	19.7 gr / 8,700 LUP	20.9 gr / 10,400 LUP
1 1/8 oz	Internat'l	Rem. 209P	Windjammer	—	19.2 gr /8,400 PSI	20.3 gr / 9,400 PSI	21.5 gr / 10,500 PSI
1 1/8 oz	Internat'l	Win. 209	Hawk	17.7 gr / 7,700 PSI	18.9 gr / 9,000 PSI	20.0 gr / 10,200 PSI	21.5 gr / 11,500 PSI
1 1/8 oz	Internat'l	Win. 209	Hor. Versalite	17.8 gr / 6,900 LUP	18.4 gr / 7,800 LUP	19.5 gr / 9,100 LUP	20.6 gr / 10,400 LUP
1 1/8 oz	Internat'l	Win. 209	Lage Uniwad	17.7 gr / 7,400 PSI	19.0 gr / 8,600 PSI	20.3 gr / 9,900 PSI	21.6 gr / 11,100 PSI
1 1/8 oz	Internat'l	Win. 209	Red PC	17.7 gr / 7,600 PSI	19.0 gr / 8,600 PSI	20.3 gr / 9,600 PSI	21.5 gr / 10,500 PSI
1 1/8 oz	Internat'l	Win. 209	Rem. Fig. 8	17.5 gr / 7,900 PSI	18.6 gr / 9,000 PSI	19.7 gr / 10,200 PSI	20.8 gr / 11,300 PSI
1 1/8 oz	Internat'l	Win. 209	Trapper	17.0 gr / 7,900 PSI	18.5 gr / 9,100 PSI	19.9 gr / 10,100 PSI	21.3 gr / 11,500 PSI
1 1/8 oz	Internat'l	Win. 209	WAA12	17.0 gr / 7,100 PSI	18.4 gr / 8,600 PSI	19.8 gr / 10,100 PSI	21.1 gr / 11,500 PSI
1 1/8 oz	Internat'l	Win. 209	Windjammer	19.4 gr / 8,200 PSI	20.1 gr / 8,900 PSI	22.1 gr / 10,300 PSI	—
				1090 fps	**1145 fps**	**1200 fps**	**1255 fps**
1 1/8 oz	Titegroup	Rem. 209P	Rem. Fig. 8	14.9 gr / 8,200 PSI	16.0 gr / 9,100 PSI	17.1 gr / 10,000 PSI	18.5 gr / 11,500 PSI
1 1/8 oz	Titegroup	Rem. 209P	WAA12	14.9 gr / 8,000 PSI	15.8 gr / 9,200 PSI	16.7 gr / 10,300 PSI	—
1 1/8 oz	Titegroup	Win. 209	Rem. Fig. 8	15.1 gr / 8,000 PSI	16.1 gr / 8,900 PSI	17.1 gr / 9,900 PSI	—
1 1/8 oz	Titegroup	Win. 209	WAA12	14.7 gr / 8,300 PSI	15.8 gr / 9,400 PSI	16.8 gr / 10,500 PSI	—
				1200 fps	**1255 fps**	**1310 fps**	
1 1/8 oz	Universal	CCI 209	Windjammer	23.2 gr / 8,400 PSI	24.4 gr / 9,100 PSI	25.7 gr / 10,200 PSI	
1 1/8 oz	Universal	Fed. 209A	Fed. 12S3	21.7 gr / 10,200 PSI	22.7 gr / 11,000 PSI	—	
1 1/8 oz	Universal	Win. 209	Rem. Fig. 8	22.5 gr / 8,900 PSI	23.7 gr / 9,900 PSI	25.0 gr / 10,800 PSI	
1 1/8 oz	Universal	Win. 209	WAA12	21.5 gr / 9,800 PSI	23.0 gr / 10,700 PSI	—	
				1420 fps	**1475 fps**	**1530 fps**	**1585 fps**
1 1/8 oz	Longshot	CCI 209M	Fed. 12S3	30.6 gr / 10,000 PSI	31.9 gr / 11,000 PSI	—	—
1 1/8 oz	Longshot	CCI 209M	Hor. Vers.	31.7 gr / 9,000 PSI	32.9 gr / 9,900 PSI	34.1 gr / 10,900 PSI	—
1 1/8 oz	Longshot	CCI 209M	Rem. R12L	31.0 gr / 9,600 PSI	32.7 gr / 10,400 PSI	34.5 gr / 11,400 PSI	—
1 1/8 oz	Longshot	CCI 209M	WAA12	30.9 gr / 9,800 PSI	32.3 gr / 10,600 PSI	33.6 gr / 11,400 PSI	—
1 1/8 oz	Longshot	CCI 209M	Windjammer	31.7 gr / 9,000 PSI	33.3 gr / 9,800 PSI	34.8 gr / 10,600 PSI	36.4 gr / 11,500 PSI
1 1/8 oz	Longshot	Fed. 209A	Fed. 12S3	29.4 gr / 10,700 PSI	31.1 gr / 11,600 PSI	—	—
1 1/8 oz	Longshot	Fed. 209A	Rem. R12L	29.8 gr / 10,200 PSI	31.2 gr / 11,100 PSI	—	—
1 1/8 oz	Longshot	Fed. 209A	WAA12	29.4 gr / 10,900 PSI	—	—	—
1 1/8 oz	Longshot	Fed. 209A	Windjammer	30.6 gr / 9,300 PSI	32.1 gr / 10,300 PSI	33.6 gr / 11,300 PSI	—
1 1/8 oz	Longshot	Rem. 209P	Hor. Vers.	31.0 gr / 9,100 PSI	32.4 gr / 10,000 PSI	33.7 gr / 10,900 PSI	—
1 1/8 oz	Longshot	Rem. 209P	Rem. R12L	31.1 gr / 9,400 PSI	32.5 gr / 10,400 PSI	33.9 gr / 11,400 PSI	—
1 1/8 oz	Longshot	Rem. 209P	WAA12	30.6 gr / 9,300 PSI	31.7 gr / 10,400 PSI	32.7 gr / 11,500 PSI	—
1 1/8 oz	Longshot	Rem. 209P	Windjammer	32.0 gr / 8,600 PSI	33.5 gr / 9,700 PSI	35.0 gr / 10,900 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
12 GA., 2 3/4", REMINGTON PREMIER, NITRO 27 AND STS PLASTIC SHELLS CONT.							
				1420 fps	**1475 fps**	**1530 fps**	**1585 fps**
1 1/8 oz	Longshot	Win. 209	Fed. 12S3	31.9 gr / 8,500 PSI	33.0 gr / 9,800 PSI	34.2 gr / 11,100 PSI	—
1 1/8 oz	Longshot	Win. 209	Rem. R12L	31.5 gr / 8,800 PSI	32.0 gr / 10,100 PSI	34.5 gr / 11,400 PSI	—
1 1/8 oz	Longshot	Win. 209	WAA12	31.7 gr / 9,100 PSI	32.8 gr / 10,100 PSI	33.5 gr / 11,200 PSI	—
1 1/8 oz	Longshot	Win. 209	Windjammer	33.4 gr / 7,700 PSI	34.3 gr / 8,800 PSI	35.3 gr / 10,000 PSI	36.3 gr / 11,100 PSI
				1220 fps	**1330 fps**		
1 1/4 oz	Universal	CCI 209	Rem. SP12	23.7 gr / 9,200 PSI	—		
1 1/4 oz	Universal	CCI 209	WAA12F114	23.1 gr / 10,800 PSI	—		
1 1/4 oz	Universal	CCI 209M	Rem. SP12	23.5 gr / 10,800 PSI	—		
1 1/4 oz	Universal	CCI 209M	WAA12F114	23.0 gr / 11,300 PSI	—		
1 1/4 oz	Universal	Fed. 209A	Rem. SP12	22.5 gr / 11,300 PSI	—		
1 1/4 oz	Universal	Rem.209P	Rem. SP12	24.0 gr / 9,600 PSI	—		
1 1/4 oz	Universal	Rem. 209P	WAA12F114	23.7 gr / 10,600 PSI	—		
1 1/4 oz	Universal	Win. 209	Rem. SP12	24.0 gr / 10,000 PSI	—		
1 1/4 oz	Universal	Win. 209	WAA12F114	23.5 gr / 10,900 PSI	—		
1 1/4 oz	HS-6	Win. 209	WAA12F114	32.0 gr / 9,200 LUP	34.0 gr / 10,400 LUP		
1 1/4 oz	HS-6	Win. 209	Rem. R12H	32.0 gr / 9,100 LUP	34.0 gr / 10,200 LUP		
				1330 fps	**1385 fps**	**1440 fps**	**1495 fps**
1 1/4 oz	Longshot	CCI 209M	Fed. 12S4	27.0 gr / 11,400 PSI	—	—	—
1 1/4 oz	Longshot	CCI 209M	Rem. R12L	27.7 gr / 10,600 PSI	28.7 gr / 11,500 PSI	—	—
1 1/4 oz	Longshot	CCI 209M	WAA12F114	26.4 gr / 11,500 PSI	—	—	—
1 1/4 oz	Longshot	Fed. 209A	Fed. 12S4	27.0 gr / 11,500 PSI	—	—	—
1 1/4 oz	Longshot	Fed. 209A	Rem. R12L	27.5 gr / 10,600 PSI	—	—	—
1 1/4 oz	Longshot	Fed. 209A	WAA12F114	27.3 gr / 11,400 PSI	—	—	—
1 1/4 oz	Longshot	Rem. 209P	Fed. 12S4	27.4 gr / 10,900 PSI	—	—	—
1 1/4 oz	Longshot	Rem. 209P	Rem. R12L	28.5 gr / 9,900 PSI	29.9 gr / 10,700 PSI	—	—
1 1/4 oz	Longshot	Rem. 209P	WAA12F114	27.1 gr / 10,600 PSI	28.2 gr / 11,500 PSI	—	—
1 1/4 oz	Longshot	Win. 209	Fed. 12S4	28.3 gr / 9,900 PSI	29.6 gr / 11,100 PSI	—	—
1 1/4 oz	Longshot	Win. 209	Rem. R12L	28.5 gr / 9,300 PSI	30.2 gr / 10,300 PSI	31.8 gr / 11,200 PSI	—
1 1/4 oz	Longshot	Win. 209	WAA12F114	28.2 gr / 9,100 PSI	30.1 gr / 10,400 PSI	—	—
				1285 fps			
1 3/8 oz	HS-7	Win. 209	WAA12R	38.5 gr / 9,900 LUP			
1 3/8 oz	HS-7	Win. 209	Rem. R12H	38.0 gr / 10,100 LUP			
				1260 fps			
1 1/2 oz	HS-7	Fed. 209	Rem. R12H	36.0 gr / 10,600 LUP			
1 1/2 oz	HS-7	Win. 209	WAA12R	35.5 gr / 10,300 LUP			
				1205 fps	**1260 fps**		
1 1/2 oz	Longshot	Rem. 209P	Rem. RP12	25.0 gr / 11,500 PSI	—		
1 1/2 oz	Longshot	Rem. 209P	WAA12R	24.8 gr / 11,000 PSI	—		
1 1/2 oz	Longshot	Win. 209	Rem. RP12	25.6 gr / 10,400 PSI	—		
1 1/2 oz	Longshot	Win. 209	WAA12R	26.1 gr / 10,500 PSI	27.0 gr / 11,300 PSI		
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS							
				1250 fps	**1300 fps**	**1350 fps**	**1400 fps**
7/8 oz	Titewad	CCI 209SC	Rem. TGT 12	17.7 gr / 7,800 PSI	18.8 gr / 8,900 PSI	19.8 gr / 9,600 PSI	21.0 gr / 10,200 PSI
7/8 oz	Titewad	CCI 209SC	WAA12L	17.3 gr / 8,800 PSI	18.2 gr / 10,100 PSI	19.8 gr / 11,300 PSI	—
7/8 oz	Titewad	Fed. 209A	WAA12L	17.8 gr / 8,600 PSI	18.8 gr / 9,100 PSI	19.8 gr / 10,700 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE

12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS CONT.

				1250 fps	1300 fps	1350 fps	1400 fps
7/8 oz	Titewad	Rem. 209P	Fed. 12S0	17.4 gr / 9,200 PSI	18.6 gr / 10,100 PSI	19.4 gr / 11,300 PSI	—
7/8 oz	Titewad	Fio. 616	Rem. TGT 12	17.5 gr / 8,100 PSI	19.2 gr / 8,900 PSI	20.1 gr / 9,800 PSI	21.3 gr / 10,500 PSI
7/8 oz	Titewad	Rem. 209P	Rem.TGT12	17.2 gr / 8,300 PSI	18.2 gr / 9,400 PSI	19.5 gr / 10,300 PSI	—
7/8 oz	Titewad	Rem. 209P	WAA12L	18.0 gr / 8,500 PSI	19.0 gr / 9,100 PSI	19.9 gr / 10,000 PSI	—
7/8 oz	Titewad	Win. 209	Fed. 12S0	17.3 gr / 9,300 PSI	18.5 gr / 10,400 PSI	19.5 gr / 11,300 PSI	—
7/8 oz	Titewad	Win. 209	Rem.TGT12	17.1 gr / 9,300 PSI	18.1 gr / 9,900 PSI	19.5 gr / 10,800 PSI	—
7/8 oz	Titewad	Win. 209	WAA12L	17.8 gr / 8,600 PSI	19.1 gr / 9,500 PSI	20.2 gr / 10,300 PSI	21.4 gr / 10,800 PSI
				1200 fps	**1250 fps**	**1300 fps**	**1350 fps**
7/8 oz	Clays	CCI 209M	Rem. TGT 12	16.5 gr / 7,100 PSI	17.5 gr / 7,800 PSI	18.5 gr / 8,900 PSI	—
7/8 oz	Clays	CCI 209M	WAA12L	15.8 gr / 7,500 PSI	17.1 gr / 9,200 PSI	18.0 gr / 10,600 PSI	—
7/8 oz	Clays	CCI 209SC	Rem. TGT 12	16.3 gr / 6,500 PSI	17.6 gr / 7,100 PSI	18.7 gr / 7,800 PSI	—
7/8 oz	Clays	CCI 209SC	WAA12L	16.0 gr / 7,600 PSI	17.4 gr / 9,500 PSI	18.3 gr / 10,500 PSI	—
7/8 oz	Clays	Fed. 209A	Fed. 12S0	16.0 gr / 8,800 PSI	17.4 gr / 9,400 PSI	18.3 gr / 11,300 PSI	—
7/8 oz	Clays	Fed. 209A	Rem.TGT12	16.0 gr / 6,900 PSI	17.2 gr / 9,300 PSI	18.5 gr / 9,900 PSI	19.5 gr / 11,400 PSI
7/8 oz	Clays	Fed. 209A	WAA12L	—	18.0 gr / 8,400 PSI	19.1 gr / 9,300 PSI	20.5 gr / 10,800 PSI
7/8 oz	Clays	Fed. 209A	WAA12SL	—	18.0 gr / 8,500 PSI	19.0 gr / 9,700 PSI	—
7/8 oz	Clays	Rem. 209P	Fed. 12S0	16.8 gr / 7,100 PSI	18.0 gr / 8,600 PSI	19.0 gr / 9,200 PSI	—
7/8 oz	Clays	Rem. 209P	Rem. TGT 12	18.2 gr / 6,000 LUP	18.9 gr / 6,800 LUP	—	—
7/8 oz	Clays	Rem. 209P	WAA12L	16.8 gr / 6,800 PSI	18.1 gr / 7,500 PSI	19.1 gr / 8,600 PSI	20.5 gr / 10,700 PSI
7/8 oz	Clays	Win. 209	Fed. 12S0	17.1 gr / 7,400 PSI	18.0 gr / 8,000 PSI	20.0 gr / 10,700 PSI	—
7/8 oz	Clays	Win. 209	Rem.TGT12	15.8 gr / 7,100 PSI	17.4 gr / 8,000 PSI	18.4 gr / 9,000 PSI	19.4 gr / 11,300 PSI
7/8 oz	Clays	Win. 209	WAA12SL	16.9 gr / 7,100 LUP	18.1 gr / 7,400 LUP	19.7 gr / 8,400 LUP	—
7/8 oz	Clays	Win. 209	WAA12L	—	18.3 gr / 8,300 PSI	19.2 gr / 9,400 PSI	20.5 gr / 10,000 PSI
				1250 fps	**1300 fps**	**1350 fps**	**1400 fps**
7/8 oz	Internat'l	CCI 209M	Rem.TGT12	19.0 gr / 7,400 PSI	20.0 gr / 8,900 PSI	20.8 gr / 8,900 PSI	22.0 gr / 10,400 PSI
7/8 oz	Internat'l	CCI 209M	WAA12L	18.8 gr / 7,600 PSI	20.0 gr / 8,000 PSI	21.0 gr / 9,500 PSI	22.4 gr / 10,500 PSI
7/8 oz	Internat'l	CCI 209M	Fed. 12S0	19.0 gr / 8,200 PSI	20.0 gr / 9,100 PSI	21.0 gr / 10,200 PSI	22.0 gr / 11,000 PSI
7/8 oz	Internat'l	CCI 209SC	Rem.TGT12	19.0 gr / 7,800 PSI	19.8 gr / 8,200 PSI	20.8 gr / 9,400 PSI	21.5 gr / 10,300 PSI
7/8 oz	Internat'l	CCI 209SC	WAA12L	19.2 gr / 8,100 PSI	20.2 gr / 8,700 PSI	21.2 gr / 9,500 PSI	22.2 gr / 10,800 PSI
7/8 oz	Internat'l	Ched. 209	WAA12L	20.0 gr / 7,000 PSI	21.2 gr / 7,500 PSI	22.0 gr / 8,400 PSI	22.8 gr / 9,300 PSI
7/8 oz	Internat'l	Fed. 209A	Rem.TGT12	18.6 gr / 8,300 PSI	19.7 gr / 9,000 PSI	20.6 gr / 10,000 PSI	22.0 gr / 10,800 PSI
7/8 oz	Internat'l	Fed. 209A	WAA12SL	20.0 gr / 7,800 PSI	21.0 gr / 8,600 PSI	22.0 gr / 9,500 PSI	—
7/8 oz	Internat'l	Rem. 209P	Rem.TGT12	20.5 gr / 6,800 PSI	21.5 gr / 7,300 PSI	22.5 gr / 8,300 PSI	23.0 gr / 9,300 PSI
7/8 oz	Internat'l	Rem. 209P	WAA12L	20.0 gr / 7,500 PSI	20.8 gr / 8,300 PSI	22.2 gr / 8,900 PSI	22.7 gr / 10,200 PSI
7/8 oz	Internat'l	Win. 209	Fed. 12S0	19.5 gr / 8,100 PSI	20.9 gr / 8,500 PSI	21.9 gr / 9,500 PSI	—
7/8 oz	Internat'l	Win. 209	Rem.TGT12	19.2 gr / 7,100 PSI	20.2 gr / 7,800 PSI	21.2 gr / 8,700 PSI	22.5 gr / 9,300 PSI
7/8 oz	Internat'l	Win. 209	WAA12SL	20.5 gr / 7,900 PSI	21.0 gr / 8,600 PSI	21.5 gr / 9,100 PSI	22.5 gr / 10,200 PSI
				1125 fps	**1180 fps**	**1235 fps**	**1290 fps**
1 oz	Titewad	CCI 209SC	Purple PC	15.5 gr / 7,400 PSI	17.0 gr / 7,700 PSI	18.5 gr / 9,100 PSI	20.0 gr / 10,200 PSI
1 oz	Titewad	CCI 209SC	Rem.TGT12	15.3 gr / 8,700 PSI	16.5 gr / 9,200 PSI	17.6 gr / 10,900 PSI	—
1 oz	Titewad	CCI 209SC	WAA12SL	15.7 gr / 8,000 PSI	16.7 gr / 8,200 PSI	17.7 gr / 10,400 PSI	—
1 oz	Titewad	Fed. 209A	Rem.TGT12	15.7 gr / 7,600 PSI	17.3 gr / 8,800 PSI	18.1 gr / 10,000 PSI	19.4 gr / 11,200 PSI
1 oz	Titewad	Fed. 209A	WAA12SL	16.4 gr / 7,300 PSI	17.4 gr / 7,700 PSI	18.4 gr / 9,600 PSI	20.1 gr / 10,600 PSI
1 oz	Titewad	Fio. 616	Windjammer	—	16.6 gr / 8,300 PSI	18.2 gr / 9,600 PSI	19.5 gr / 10,700 PSI
1 oz	Titewad	Rem. 209P	Fed. 12S0	15.7 gr / 8,700 PSI	16.5 gr / 10,000 PSI	18.0 gr / 11,200 PSI	—
1 oz	Titewad	Rem. 209P	Purple PC	15.9 gr / 6,500 PSI	17.3 gr / 7,300 PSI	18.8 gr / 9,200 PSI	20.3 gr / 10,400 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE

12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS CONT.

				1125 fps	1180 fps	1235 fps	1290 fps
1 oz	Titewad	Rem. 209P	Rem. TGT 12	15.9 gr / 6,900 PSI	16.8 gr / 7,800 PSI	18.4 gr / 8,900 PSI	20.2 gr /10,600 PSI
1 oz	Titewad	Rem. 209P	WAA12SL	15.5 gr / 7,300 PSI	17.1 gr / 8,000 PSI	18.5 gr / 9,600 PSI	19.5 gr / 11,200 PSI
1 oz	Titewad	Rem. 209P	Windjammer	—	17.3 gr / 7,900 PSI	18.3 gr / 9,400 PSI	19.5 gr / 9,900 PSI
1 oz	Titewad	Win. 209	Fed. 12S0	15.6 gr / 9,000 PSI	16.8 gr / 10,300 PSI	—	—
1 oz	Titewad	Win. 209	Purple PC	15.9 gr / 6,900 PSI	17.1 gr / 7,400 PSI	18.5 gr / 9,000 PSI	19.5 gr / 10,400PSI
1 oz	Titewad	Win. 209	Rem.TGT12	15.2 gr / 8,200 PSI	16.4 gr / 9,200 PSI	17.7 gr / 10,200 PSI	19.0 gr / 11,300 PSI
1 oz	Titewad	Win. 209	WAA12SL	15.6 gr / 8,300 PSI	16.5 gr / 9,800 PSI	18.1 gr / 10,700 PSI	—
1 oz	Clays	CCI 209	Fed. 12S0	15.8 gr / 9,000 PSI	17.0 gr / 10,500 PSI	—	—
1 oz	Clays	CCI 209	Purple PC	16.0 gr / 7,400 PSI	17.2 gr / 8,200 PSI	18.5 gr / 9,900 PSI	20.0 gr / 10,800PSI
1 oz	Clays	CCI 209	Rem. TGT 12	16.6 gr / 6,700 LUP	17.7 gr / 7,700 LUP	18.7 gr / 8,500 LUP	19.8 gr / 9,500 LUP
1 oz	Clays	CCI 209	WAA12SL	15.7 gr / 7,900 PSI	17.0 gr / 8,700 PSI	18.4 gr / 10,900 PSI	—
1 oz	Clays	CCI 209	Windjammer	16.3 gr / 6,500 PSI	17.5 gr / 7,600 PSI	18.8 gr / 9,000 PSI	20.3 gr / 10,700PSI
1 oz	Clays	CCI 209SC	Purple PC	16.6 gr / 6,000 PSI	18.0 gr / 7,100 PSI	19.3 gr / 8,400 PSI	20.8 gr / 10,700PSI
1 oz	Clays	CCI 209SC	Rem. TGT 12	15.2 gr / 6,400 PSI	16.6 gr / 7,500 PSI	17.5 gr / 9,700 PSI	19.2 gr / 11,000 PSI
1 oz	Clays	CCI 209SC	WAA12SL	15.8 gr / 7,500 PSI	17.0 gr / 8,300 PSI	18.5 gr / 9,800 PSI	—
1 oz	Clays	CCI 209SC	Windjammer	15.7 gr / 6,800 PSI	16.7 gr / 7,400 PSI	18.0 gr / 9,200 PSI	19.5 gr / 11,200 PSI
1 oz	Clays	Fed. 209A	Purple PC	15.5 gr / 7,400 PSI	17.3 gr / 9,200 PSI	18.5 gr / 10,400 PSI	19.8 gr / 11,100 PSI
1 oz	Clays	Fed. 209A	Rem.TGT12	15.2 gr / 7,800 PSI	16.7 gr / 9,500 PSI	18.2 gr / 11,000 PSI	—
1 oz	Clays	Fed. 209A	WAA12SL	15.4 gr / 8,500 PSI	16.9 gr / 9,000 PSI	18.4 gr / 10,900 PSI	—
1 oz	Clays	Fed. 209A	Windjammer	15.1 gr / 7,900 PSI	16.8 gr / 9,200 PSI	18.2 gr / 11,200 PSI	—
1 oz	Clays	Rem. 209P	Fed. 12S0	16.0 gr / 8,200 PSI	17.4 gr / 9,400 PSI	18.7 gr / 11,400 PSI	—
1 oz	Clays	Rem. 209P	Rem.TGT12	16.1 gr / 7,500 PSI	17.3 gr / 8,400 PSI	18.5 gr / 9,900 PSI	—
1 oz	Clays	Rem. 209P	WAA12SL	16.2 gr / 6,500 PSI	17.4 gr / 8,000 PSI	18.6 gr / 9,200 PSI	20.4 gr / 10,600PSI
1 oz	Clays	Win. 209	Purple PC	15.7 gr / 7,000 PSI	17.2 gr / 8,500 PSI	18.5 gr / 9,900 PSI	20.0 gr / 10,400PSI
1 oz	Clays	Win. 209	Rem.TGT12	15.8 gr / 7,700 PSI	16.8 gr / 8,500 PSI	18.2 gr / 10,300 PSI	—
1 oz.	Clays	Win. 209	WAA12SL	16.0 gr / 7,400 LUP	17.2 gr / 8,300 LUP	18.5 gr / 9,200 LUP	19.8 gr /10,200 LUP
				1180 fps	**1235 fps**	**1290 fps**	**1345 fps**
1 oz	Internat'l	CCI 209	Purple PC	18.8 gr / 7,300 PSI	20.0 gr / 8,500 PSI	21.0 gr / 9,100 PSI	22.0 gr / 10,900PSI
1 oz	Internat'l	CCI 209	Rem.TGT12	18.0 gr / 7,400 PSI	19.2 gr / 8,700 PSI	20.2 gr / 10,000 PSI	—
1 oz	Internat'l	CCI 209	WAA12SL	19.2 gr / 6,700 LUP	20.6 gr / 7,500 LUP	22.3 gr / 8,800 LUP	—
1 oz	Internat'l	CCI 209SC	Purple PC	18.5 gr / 8,200 PSI	19.8 gr / 9,100 PSI	21.0 gr / 10,100 PSI	22.0 gr / 11,200 PSI
1 oz	Internat'l	CCI 209SC	Rem.TGT12	17.8 gr / 8,700 PSI	19.3 gr / 9,700 PSI	20.3 gr / 10,400 PSI	21.3 gr / 11,300 PSI
1 oz	Internat'l	CCI 209SC	WAA12SL	19.0 gr / 7,400 PSI	20.0 gr / 8,600 PSI	21.0 gr / 10,000 PSI	—
1 oz	Internat'l	Fed. 209A	Purple PC	19.2 gr / 7,000 PSI	20.6 gr / 7,900 PSI	21.7 gr / 9,600 PSI	—
1 oz	Internat'l	Fed. 209A	Rem.TGT12	17.8 gr / 9,000 PSI	18.8 gr / 9,700 PSI	20.0 gr / 10,500 PSI	—
1 oz	Internat'l	Fed. 209A	WAA12SL	18.0 gr / 8,700 PSI	19.0 gr / 10,400 PSI	20.0 gr / 11,300 PSI	—
1 oz	Internat'l	Rem. 209P	Fed. 12S0	18.8 gr / 9,100 PSI	20.0 gr / 9,900 PSI	—	—
1 oz	Internat'l	Rem. 209P	Purple PC	19.8 gr / 7,700 PSI	20.7 gr / 8,900 PSI	21.6 gr / 9,400 PSI	22.8 gr / 10,100PSI
1 oz	Internat'l	Rem. 209P	Rem. TGT 12	20.8 gr / 5,900 LUP	21.5 gr / 7,100 LUP	22.3 gr / 7,800 LUP	—
1 oz	Internat'l	Rem. 209P	WAA12SL	19.0 gr / 7,700 PSI	20.0 gr / 9,200 PSI	21.2 gr / 9,700 PSI	22.5 gr / 11,100 PSI
1 oz	Internat'l	Win. 209	Fed. 12S0	18.4 gr / 8,700 PSI	19.6 gr / 10,500 PSI	20.7 gr / 11,100 PSI	—
1 oz	Internat'l	Win. 209	Purple PC	18.6 gr / 7,700 PSI	20.0 gr / 8,100 PSI	21.2 gr / 9,300 PSI	22.7 gr / 10,800PSI
1 oz	Internat'l	Win. 209	Rem.TGT12	18.4 gr / 7,700 PSI	19.6 gr / 8,600 PSI	20.7 gr / 9,600 PSI	22.2 gr / 11,000 PSI
1 oz.	Internat'l	Win. 209	WAA12SL	18.9 gr / 6,900 LUP	20.4 gr / 8,300 LUP	21.3 gr / 8,900 LUP	—
1 oz	Titegroup	Rem. 209P	Rem. TGT 12	16.0 gr / 7,700 PSI	17.3 gr / 9,000 PSI	18.6 gr / 10,200 PSI	20.0 gr / 11,200 PSI
1 oz	Titegroup	Rem. 209P	WAA12SL	16.2 gr / 7,800 PSI	17.4 gr / 9,100 PSI	18.6 gr / 10,400 PSI	20.0 gr / 11,500 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS CONT.							
				1180 fps	**1235 fps**	**1290 fps**	**1345 fps**
1 oz	Titegroup	Win. 209	Rem. TGT 12	15.7 gr / 7,900 PSI	17.1 gr / 9,100 PSI	18.5 gr / 10,200 PSI	19.9 gr / 11,400 PSI
1 oz	Titegroup	Win. 209	WAA12SL	16.5 gr / 7,500 PSI	17.7 gr / 8,800 PSI	18.9 gr / 10,100 PSI	20.1 gr / 11,400 PSI
				1090 fps	**1145 fps**	**1200 fps**	**1255 fps**
1 1/8 oz	Titewad	Ched. 209	Rem. Fig. 8	15.7 gr / 9,500 PSI	16.6 gr / 10,700 PSI	—	—
1 1/8 oz	Titewad	Ched. 209	WAA12	15.3 gr / 9,900 PSI	16.4 gr / 10,900 PSI	—	—
1 1/8 oz	Titewad	Ched. 209	Windjammer	15.9 gr / 8,700 PSI	16.8 gr / 10,100 PSI	—	—
1 1/8 oz	Titewad	CCI 209	Rem. Fig. 8	15.3 gr / 10,300 PSI	16.5 gr / 11,200 PSI	—	—
1 1/8 oz	Titewad	CCI 209	WAA12	15.3 gr / 10,300 PSI	16.0 gr / 10,900 PSI	—	—
1 1/8 oz	Titewad	CCI 209	Windjammer	15.3 gr / 8,600 PSI	16.6 gr / 9,400 PSI	17.8 gr / 10,900 PSI	—
1 1/8 oz	Titewad	Fed. 209A	Fed.12S3	15.5 gr / 9,900 PSI	16.8 gr / 10,800 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Hor. Vers.	15.3 gr / 10,600 PSI	16.3 gr / 11,400 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Red PC	15.6 gr / 9,600 PSI	16.6 gr / 11,000 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Rem. Fig. 8	15.6 gr / 10,000 PSI	16.6 gr / 10,600 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	WAA12	15.4 gr / 9,700 PSI	16.4 gr / 10,800 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Windjammer	15.4 gr / 9,400 PSI	16.0 gr / 10,600 PSI	—	—
1 1/8 oz	Titewad	Rem. 209P	Rem. Fig. 8	15.7 gr / 8,500 PSI	16.8 gr / 9,300 PSI	18.3 gr / 10,400 PSI	—
1 1/8 oz	Titewad	Rem. 209P	WAA12	15.5 gr / 10,100 PSI	16.4 gr / 11,200 PSI	—	—
1 1/8 oz	Titewad	Rem. 209P	Windjammer	15.5 gr / 9,100 PSI	16.2 gr / 10,000 PSI	17.0 gr / 11,100 PSI	—
1 1/8 oz	Titewad	Win. 209	CB3118-12-AR	15.2 gr / 9,300 PSI	16.3 gr / 10,700 PSI	17.7 gr / 11,400 PSI	—
1 1/8 oz	Titewad	Win. 209	Hawk	14.8 gr / 10,000 PSI	15.5 gr / 10,500 PSI	—	—
1 1/8 oz	Titewad	Win. 209	Red PC	15.1 gr / 8,900 PSI	15.9 gr / 9,700 PSI	—	—
1 1/8 oz	Titewad	Win. 209	Rem. Fig. 8	15.2 gr / 9,000 PSI	16.2 gr / 9,700 PSI	17.5 gr / 11,100 PSI	—
1 1/8 oz	Titewad	Win. 209	WAA12	15.2 gr / 9,500 PSI	16.5 gr / 10,400 PSI	17.8 gr / 11,100 PSI	—
1 1/8 oz	Titewad	Win. 209	Windjammer	15.3 gr / 8,300 PSI	16.3 gr / 9,600 PSI	17.8 gr / 10,500 PSI	—
1 1/8 oz	Clays	Ched. 209	Rem. Fig. 8	16.4 gr / 8,800 PSI	17.5 gr / 10,200 PSI	—	—
1 1/8 oz	Clays	Ched. 209	WAA12	15.8 gr / 9,400 PSI	17.2 gr / 10,700 PSI	—	—
1 1/8 oz	Clays	Ched. 209	Windjammer	15.7 gr / 7,900 PSI	17.4 gr / 9,500 PSI	19.0 gr / 11,100 PSI	—
1 1/8 oz	Clays	CCI 209	Red PC	16.5 gr / 8,400 PSI	17.0 gr / 10,000 PSI	18.3 gr / 11,400 PSI	—
1 1/8 oz	Clays	CCI 209	Rem. Fig. 8	16.0 gr / 8,700 PSI	16.8 gr / 9,600 PSI	—	—
1 1/8 oz	Clays	CCI 209	WAA12	16.0 gr / 8,900 PSI	17.0 gr / 9,800 PSI	18.1 gr / 11,300 PSI	—
1 1/8 oz	Clays	CCI 209	Windjammer	16.0 gr / 8,200 PSI	16.8 gr / 8,600 PSI	18.5 gr / 11,100 PSI	—
1 1/8 oz	Clays	CCI 209SC	Rem. Fig. 8	15.7 gr / 8,800 PSI	16.5 gr / 10,400 PSI	—	—
1 1/8 oz	Clays	CCI 209SC	Trapper	15.5 gr / 10,300 PSI	16.0 gr / 11,400 PSI	—	—
1 1/8 oz	Clays	CCI 209SC	WAA12	15.5 gr / 9,300 PSI	16.0 gr / 10,600 PSI	—	—
1 1/8 oz	Clays	CCI 209SC	Windjammer	16.1 gr / 8,600 PSI	16.7 gr / 9,100 PSI	17.8 gr / 11,500 PSI	—
1 1/8 oz	Clays	Fed. 209A	Rem. Fig. 8	15.8 gr / 10,700 PSI	16.6 gr / 11,100 PSI	—	—
1 1/8 oz	Clays	Fed. 209A	Windjammer	16.0 gr / 9,100 PSI	16.7 gr / 10,300 PSI	18.0 gr / 11,400 PSI	—
1 1/8 oz	Clays	Fed. 209A	WAA12	15.0 gr / 9,700 PSI	16.0 gr / 10,800 PSI	—	—
1 1/8 oz	Clays	Fio. 616	WAA12	15.5 gr / 9,400 PSI	16.0 gr / 10,900 PSI	—	—
1 1/8 oz	Clays	Rem. 209P	Red PC	17.1 gr / 7,200 LUP	18.4 gr / 7,800 LUP	19.6 gr / 8,400 LUP	—
1 1/8 oz	Clays	Rem. 209P	Rem. Fig. 8	16.3 gr / 9,000 PSI	17.3 gr / 10,100 PSI	18.5 gr / 11,500 PSI	—
1 1/8 oz	Clays	Rem. 209P	WAA12	15.9 gr / 8,900 PSI	17.0 gr / 9,400 PSI	—	—
1 1/8 oz	Clays	Rem. 209P	Windjammer	16.5 gr / 8,100 PSI	17.5 gr / 9,400 PSI	18.5 gr / 10,400 PSI	—
1 1/8 oz	Clays	Win. 209	Hor. Versalite	16.4 gr / 8,300 LUP	17.6 gr / 9,400 LUP	18.8 gr / 10,600 LUP	—
1 1/8 oz	Clays	Win. 209	Lage Uniwad	16.0 gr / 9,700 PSI	16.9 gr / 10,600 PSI	—	—
1 1/8 oz	Clays	Win. 209	Red PC	16.3 gr / 7,900 PSI	17.0 gr / 9,100 PSI	18.3 gr / 10,900 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE

12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS CONT.

				1090 fps	1145 fps	1200 fps	1255 fps
1 1/8 oz	Clays	Win. 209	Rem. Fig. 8	16.0 gr / 7,700 LUP	17.0 gr / 8,500 LUP	18.1 gr / 9,400 LUP	—
1 1/8 oz	Clays	Win. 209	WAA12	16.1 gr / 7,700 LUP	17.3 gr / 8,800 LUP	18.2 gr / 9,800 LUP	—
1 1/8 oz	Internat'l	Ched. 209	Rem. Fig. 8	17.4 gr / 7,900 PSI	18.5 gr / 9,200 PSI	19.7 gr / 10,500 PSI	—
1 1/8 oz	Internat'l	Ched. 209	WAA12	16.9 gr / 8,100 PSI	18.1 gr / 9,600 PSI	19.3 gr / 11,100 PSI	—
1 1/8 oz	Internat'l	Ched. 209	Windjammer	17.9 gr / 8,000 PSI	18.9 gr / 9,200 PSI	19.8 gr / 10,300 PSI	20.8 gr / 11,500 PSI
1 1/8 oz	Internat'l	CCI 209	Fed. 12S3	—	19.2 gr / 7,900 LUP	20.0 gr / 8,300 LUP	21.6 gr / 10,200 LUP
1 1/8 oz	Internat'l	CCI 209	Hor. Vers.	16.7 gr / 8,600 PSI	17.2 gr / 9,600 PSI	18.2 gr / 11,300 PSI	—
1 1/8 oz	Internat'l	CCI 209	Red PC	17.3 gr / 8,900 PSI	17.7 gr / 9,400 PSI	19.0 gr / 10,700 PSI	20.5 gr / 11,300 PSI
1 1/8 oz	Internat'l	CCI 209	Rem. Fig. 8	17.0 gr / 9,300 PSI	17.8 gr / 10,100 PSI	18.5 gr / 11,200 PSI	—
1 1/8 oz	Internat'l	CCI 209	WAA12	17.0 gr / 9,700 PSI	17.4 gr / 10,500 PSI	18.2 gr / 11,400 PSI	—
1 1/8 oz	Internat'l	CCI 209	Windjammer	17.0 gr / 8,300 PSI	17.7 gr / 8,800 PSI	19.5 gr / 9,800 PSI	20.5 gr / 11,500 PSI
1 1/8 oz	Internat'l	CCI 209SC	Red PC	16.7 gr / 8,900 PSI	17.8 gr / 9,800 PSI	18.5 gr / 10,300 PSI	20.5 gr / 11,500 PSI
1 1/8 oz	Internat'l	CCI 209SC	Rem. Fig. 8	16.7 gr / 8,600 PSI	17.5 gr / 9,800 PSI	18.5 gr / 10,500 PSI	—
1 1/8 oz	Internat'l	CCI 209SC	Trapper	16.5 gr / 9,400 PSI	17.5 gr / 9,900 PSI	—	—
1 1/8 oz	Internat'l	CCI 209SC	WAA12	16.2 gr / 9,100 PSI	17.2 gr / 9,800 PSI	18.5 gr / 10,900 PSI	—
1 1/8 oz	Internat'l	CCI 209SC	Windjammer	16.7 gr / 8,500 PSI	17.7 gr / 8,900 PSI	19.0 gr / 10,600 PSI	20.7 gr / 11,200 PSI
1 1/8 oz	Internat'l	Fed. 209A	Red PC	16.0 gr / 9,200 PSI	17.2 gr / 10,400 PSI	18.5 gr / 11,500 PSI	—
1 1/8 oz	Internat'l	Fed. 209A	Rem. Fig. 8	16.5 gr / 9,700 PSI	17.0 gr / 10,100 PSI	18.0 gr / 10,900 PSI	—
1 1/8 oz	Internat'l	Fed. 209A	WAA12	16.0 gr / 9,500 PSI	16.8 gr / 10,300 PSI	17.5 gr / 10,900 PSI	—
1 1/8 oz	Internat'l	Fed. 209A	Windjammer	17.4 gr / 6,900 PSI	18.0 gr / 7,700 PSI	19.5 gr / 9,500 PSI	21.3 gr / 11,200 PSI
1 1/8 oz	Internat'l	Fio. 616	Rem. Fig. 8	16.3 gr / 8,600 PSI	17.6 gr / 9,500 PSI	18.3 gr / 10,200 PSI	—
1 1/8 oz	Internat'l	Fio. 616	WAA12	16.3 gr / 9,600 PSI	17.0 gr / 11,000 PSI	—	—
1 1/8 oz	Internat'l	Rem. 209P	Hawk	16.8 gr / 8,800 PSI	18.0 gr / 9,800 PSI	19.0 gr / 10,800 PSI	—
1 1/8 oz	Internat'l	Rem. 209P	Hor. Vers.	16.8 gr / 9,000 PSI	17.8 gr / 10,000 PSI	19.0 gr / 11,300 PSI	—
1 1/8 oz	Internat'l	Rem. 209P	Rem. Fig. 8	—	20.1 gr / 6,300 LUP	21.1 gr / 7,700 LUP	22.1 gr / 8,000 LUP
1 1/8 oz	Internat'l	Rem. 209P	WAA12	16.5 gr / 8,900 PSI	17.8 gr / 9,500 PSI	18.7 gr / 11,100 PSI	—
1 1/8 oz	Internat'l	Rem. 209P	Windjammer	17.2 gr / 8,100 PSI	18.3 gr / 8,300 PSI	19.2 gr / 9,000 PSI	20.8 gr / 10,800 PSI
1 1/8 oz	Internat'l	Win. 209	Hawk	17.0 gr / 9,000 PSI	18.0 gr / 9,900 PSI	19.0 gr / 10,200 PSI	20.0 gr / 11,400 PSI
1 1/8 oz	Internat'l	Win. 209	Hor. Versalite	17.4 gr / 7,900 LUP	18.1 gr / 8,600 LUP	19.2 gr / 9,800 LUP	—
1 1/8 oz	Internat'l	Win. 209	Red PC	18.3 gr / 6,800 LUP	18.9 gr / 7,200 LUP	20.2 gr / 8,300 LUP	21.3 gr / 9,700 LUP
1 1/8 oz	Internat'l	Win. 209	Rem. Fig. 8	17.3 gr / 8,100 PSI	18.3 gr / 9,500 PSI	—	—
1 1/8 oz	Internat'l	Win. 209	Trapper	17.0 gr / 8,100 PSI	18.0 gr / 9,300 PSI	19.0 gr / 10,400 PSI	—
1 1/8 oz	Internat'l	Win. 209	WAA12	17.6 gr / 7,400 LUP	18.1 gr / 8,300 LUP	19.2 gr / 9,600 LUP	21.3 gr / 10,800 LUP
1 1/8 oz	Internat'l	Win. 209	Windjammer	17.3 gr / 7,900 PSI	18.0 gr / 8,600 PSI	19.5 gr / 9,800 PSI	20.8 gr / 10,300 PSI
1 1/8 oz	Titegroup	Rem. 209P	Rem. Fig. 8	14.7 gr / 8,500 PSI	15.9 gr / 9,700 PSI	17.0 gr / 10,700 PSI	—
1 1/8 oz	Titegroup	Rem. 209P	WAA12	14.6 gr / 8,400 PSI	15.6 gr / 9,600 PSI	16.5 gr / 10,600 PSI	—
1 1/8 oz	Titegroup	Win. 209	Rem. Fig. 8	14.9 gr / 8,200 PSI	15.9 gr / 9,200 PSI	16.9 gr / 10,200 PSI	—
1 1/8 oz	Titegroup	Win. 209	WAA12	14.9 gr / 7,900 PSI	15.9 gr / 9,000 PSI	17.4 gr / 10,400 PSI	18.4 gr / 11,400 PSI

				1200 fps	1255 fps	1310 fps
1 1/8 oz	Universal	CCI 209	Windjammer	23.3 gr / 8,000 PSI	24.3 gr / 9,300 PSI	—
1 1/8 oz	Universal	CCI 209M	Hor. Versalite	22.0 gr / 9,900 PSI	23.0 gr / 10,700 PSI	—
1 1/8 oz	Universal	CCI 209SC	Windjammer	22.4 gr / 8,200 PSI	24.0 gr / 9,000 PSI	24.4 gr / 9,800 PSI
1 1/8 oz	Universal	Fed. 209A	WAA12	21.5 gr / 9,600 PSI	22.8 gr / 10,700 PSI	23.6 gr / 11,300 PSI
1 1/8 oz	Universal	Win. 209	Rem. Fig. 8	22.5 gr / 9,000 PSI	23.5 gr / 10,000 PSI	24.5 gr / 10,700 PSI
1 1/8 oz	Universal	Win. 209	WAA12	22.0 gr / 10,000 PSI	22.7 gr / 10,600 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE

12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS CONT.

				1420 fps	1475 fps	1530 fps	1585 fps
1 1/8 oz	Longshot	CCI 209M	Fed. 12S3	30.9 gr / 10,200 PSI	32.4 gr / 11,300 PSI	—	—
1 1/8 oz	Longshot	CCI 209M	Rem. R12H	31.5 gr / 9,200 PSI	32.9 gr / 10,200 PSI	34.2 gr / 11,200 PSI	—
1 1/8 oz	Longshot	CCI 209M	WAA12	30.9 gr / 10,000 PSI	32.5 gr / 10,900 PSI	—	—
1 1/8 oz	Longshot	CCI 209M	Windjammer	32.2 gr / 8,700 PSI	33.7 gr / 9,600 PSI	35.1 gr / 10,500 PSI	—
1 1/8 oz	Longshot	Fed. 209A	Fed. 12S3	31.1 gr / 10,300 PSI	32.2 gr / 11,300 PSI	—	—
1 1/8 oz	Longshot	Fed. 209A	Rem. R12H	31.0 gr / 9,800 PSI	32.6 gr / 10,500 PSI	—	—
1 1/8 oz	Longshot	Fed. 209A	WAA12	31.0 gr / 9,800 PSI	32.3 gr / 10,800 PSI	—	—
1 1/8 oz	Longshot	Rem. 209P	Fed. 12S3	30.3 gr / 10,500 PSI	31.7 gr / 11,400 PSI	—	—
1 1/8 oz	Longshot	Rem. 209P	Rem. R12H	31.3 gr / 9,200 PSI	32.5 gr / 10,200 PSI	33.7 gr / 11,300 PSI	—
1 1/8 oz	Longshot	Rem. 209P	WAA12	30.8 gr / 9,500 PSI	32.1 gr / 10,500 PSI	—	—
1 1/8 oz	Longshot	Rem. 209P	Windjammer	31.9 gr / 8,800 PSI	33.7 gr / 9,600 PSI	35.4 gr / 10,200 PSI	—
1 1/8 oz	Longshot	Win. 209	Fed. 12S3	32.6 gr / 8,800 PSI	34.1 gr / 9,500 PSI	35.7 gr / 10,300 PSI	—
1 1/8 oz	Longshot	Win. 209	Hor. Vers.	32.2 gr / 8,600 PSI	33.6 gr / 9,500 PSI	34.9 gr / 10,300 PSI	—
1 1/8 oz	Longshot	Win. 209	Rem. R12L	33.4 gr / 8,100 PSI	34.6 gr / 9,100 PSI	35.9 gr / 10,200 PSI	37.1 gr / 11,100 PSI
1 1/8 oz	Longshot	Win. 209	WAA12	32.1 gr / 9,200 PSI	33.2 gr / 10,100 PSI	34.4 gr / 11,100 PSI	—
				1220 fps	**1250 fps**		
1 1/4 oz	Universal	CCI 209	Rem. SP12	22.5 gr / 10,700 PSI	23.9 gr / 11,100 PSI		
1 1/4 oz	Universal	CCI 209	WAA12 F114	23.5 gr / 10,000 PSI	—		
1 1/4 oz	Universal	CCI 209M	Rem. SP12	23.3 gr / 11,100 PSI	—		
1 1/4 oz	Universal	CCI 209M	WAA12F114	22.5 gr / 11,400 PSI	—		
1 1/4 oz	Universal	Fed. 209A	Rem. SP12	22.4 gr / 11,500 PSI	—		
1 1/4 oz	Universal	Fed. 209A	WAA12F114	22.6 gr / 11,500 PSI	—		
1 1/4 oz	Universal	Rem. 209P	Rem. SP12	23.3 gr / 10,600 PSI	24.2 gr / 11,200 PSI		
1 1/4 oz	Universal	Rem. 209P	WAA12F114	23.0 gr / 11,500 PSI	—		
1 1/4 oz	Universal	Win. 209	Rem. SP12	22.8 gr / 10,700 PSI	23.3 gr / 11,400 PSI		
1 1/4 oz	Universal	Win. 209	WAA12 F114	23.0 gr / 10,900 PSI	—		
				1220 fps	**1330 fps**		
1 1/4 oz	HS-6	Win. 209	WAA12F114	30.0 gr / 8,800 LUP	33.0 gr / 10,500 LUP		
1 1/4 oz	HS-6	Win. 209	Rem. R12H	31.5 gr / 9,000 LUP	35.0 gr / 10,600 LUP		
1 1/4 oz	HS-6	Win. 209	Fed. 12C1	32.0 gr / 8,700 LUP	35.0 gr / 10,400 LUP		
				1330 fps	**1385 fps**	**1440 fps**	
1 1/4 oz	Longshot	CCI 209M	Rem. SP12	29.3 gr / 8,900 PSI	30.7 gr / 9,900 PSI	32.1 gr / 10,800 PSI	
1 1/4 oz	Longshot	CCI 209M	WAA12F114	29.3 gr / 10,200 PSI	30.1 gr / 11,300 PSI	—	
1 1/4 oz	Longshot	CCI 209M	Fed. 12S4	28.5 gr / 10,900 PSI	—	—	
1 1/4 oz	Longshot	Fed. 209A	Rem. SP12	28.6 gr / 9,400 PSI	30.0 gr / 10,600 PSI	—	
1 1/4 oz	Longshot	Fed. 209A	WAA12F114	27.7 gr / 10,800 PSI	—	—	
1 1/4 oz	Longshot	Rem. 209P	Fed. 12S4	28.5 gr / 11,000 PSI	—	—	
1 1/4 oz	Longshot	Rem. 209P	Rem. SP12	29.1 gr / 9,400 PSI	30.9 gr / 9,800 PSI	32.2 gr / 11,200 PSI	
1 1/4 oz	Longshot	Rem. 209P	WAA12F114	27.9 gr / 10,500 PSI	29.5 gr / 11,300 PSI	—	
1 1/4 oz	Longshot	Win. 209	Fed. 12S4	29.8 gr / 9,400 PSI	31.1 gr / 10,500 PSI	—	
1 1/4 oz	Longshot	Win. 209	Rem. SP12	30.0 gr / 8,300 PSI	31.5 gr / 9,300 PSI	33.0 gr / 10,400 PSI	
1 1/4 oz	Longshot	Win. 209	WAA12F114	28.7 gr / 9,800 PSI	30.4 gr / 10,800 PSI	—	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE		
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS CONT.						
				1285 fps		
1 3/8 oz	HS-7	Win. 209	WAA12R	35.5 gr / 10,300 LUP		
				1260 fps		
1 1/2 oz	HS-7	Win. 209	WAA12R	36.5 gr / 10,400 LUP		
1 1/2 oz	HS-7	Win. 209	Rem. RP12	36.5 gr / 9,900 LUP		
				1205 fps	**1260 fps**	
1 1/2 oz	Longshot	CCI 209M	Rem. SP12	25.9 gr / 11,400 PSI	—	
1 1/2 oz	Longshot	CCI 209M	WAA12R	25.0 gr / 11,300 PSI	—	
1 1/2 oz	Longshot	Fed. 209A	Rem. RP12	25.5 gr / 11,100 PSI	—	
1 1/2 oz	Longshot	Fed. 209A	WAA12R	25.0 gr / 11,000 PSI	—	
1 1/2 oz	Longshot	Rem. 209P	Rem.RP12	25.5 gr / 11,100 PSI	—	
1 1/2 oz	Longshot	Rem. 209P	WAA12R	26.0 gr / 10,800 PSI	—	
1 1/2 oz	Longshot	Win. 209	Rem. RP12	27.0 gr / 9,900 PSI	28.0 gr / 11,400 PSI	
1 1/2 oz	Longshot	Win. 209	WAA12R	26.4 gr / 10,100 PSI	28.0 gr / 11,500 PSI	
12 GA., 2 3/4", WINCHESTER POLYFORMED PLASTIC GAME SHELLS (PLASTIC BASEWAD)						
				1200 fps	**1255 fps**	**1310 fps**
1 1/8 oz	Universal	CCI 209M	Windjammer	24.5 gr / 8,000 PSI	25.8 gr / 8,600 PSI	26.2 gr / 9,600 PSI
1 1/8 oz	Universal	CCI 209SC	Windjammer	25.0 gr / 6,800 PSI	26.5 gr / 7,200 PSI	27.5 gr / 7,900 PSI
1 1/8 oz	Universal	Fed. 209A	Rem. Fig. 8	24.0 gr / 8,000 PSI	24.8 gr / 8,900 PSI	26.0 gr / 9,400 PSI
1 1/8 oz	Universal	Win. 209	WAA12	24.0 gr / 7,900 PSI	25.3 gr / 9,000 PSI	26.0 gr / 10,100 PSI
12 GA., 3", FEDERAL PLASTIC SHELL, 7/16" BASE WAD						
				1225 fps	**1280 fps**	**1335 fps**
1 5/8 oz	Longshot	CCI209M	Fed. 12S4	28.3 gr / 10,600 PSI	—	—
1 5/8 oz	Longshot	CCI209M	WAA12	28.8 gr / 10,200 PSI	30.8 gr / 11,200 PSI	—
1 5/8 oz	Longshot	Fed. 209A	Fed. 12S4	28.3 gr / 10,800 PSI	—	—
1 5/8 oz	Longshot	Fed. 209A	WAA12	29.1 gr / 10,000 PSI	—	—
1 5/8 oz	Longshot	Win. 209	Fed. 12S4	30.0 gr / 10,300 PSI	—	—
1 5/8 oz	Longshot	Win. 209	WAA12	30.9 gr / 9,500 PSI	32.0 gr / 10,600 PSI	—
				1155 fps	**1210 fps**	
1 7/8 oz	Longshot	CCI209M	Rem. SP12	27.7 gr / 10,600 PSI	—	
1 7/8 oz	Longshot	Fed. 209A	Rem. SP12	27.1 gr / 11,200 PSI	—	
1 7/8 oz	Longshot	Win. 209	Rem. SP12	27.9 gr / 9,900 PSI	29.5 gr / 11,400 PSI	
1 7/8 oz	Longshot	Win. 209	Win. WAA12R + .070" card	28.0 gr / 10,500 PSI	—	
12 GA., 3", FIOCCHI PLASTIC SHELL						
				1155 fps		
1 7/8 oz	Longshot	Ched. 209	Rem. SP12	27.2 gr / 10,800 PSI		
1 7/8 oz	Longshot	Ched. 209	WAA12R	27.0 gr / 10,800 PSI		
1 7/8 oz	Longshot	Fio. 616	Rem. SP12	27.5 gr / 10,800 PSI		
1 7/8 oz	Longshot	Fio. 616	WAA12R	26.9 gr / 10,900 PSI		
12 GA., 3", REMINGTON-PETERS PLASTIC GAME SHELLS						
				1225 fps	**1280 fps**	**1335 fps**
1 5/8 oz	Longshot	CCI209M	Rem. SP12	28.9 gr / 9,700 PSI	31.0 gr / 10,600 PSI	—
1 5/8 oz	Longshot	CCI209M	WAA12F114	28.0 gr / 10,400 PSI	—	—
1 5/8 oz	Longshot	Rem. 209P	Rem. SP12	29.7 gr / 9,000 PSI	31.3 gr / 10,200 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE		
12 GA., 3", REMINGTON-PETERS PLASTIC GAME SHELLS CONT.						
				1225 fps	**1280 fps**	**1335 fps**
1 5/8 oz	Longshot	Rem. 209P	WAA12F114	29.0 gr / 10,300 PSI	—	—
1 5/8 oz	Longshot	Win. 209	Rem. SP12	29.9 gr / 9,300 PSI	32.2 gr / 10,300 PSI	34.4 gr / 11,200 PSI
1 5/8 oz	Longshot	Win. 209	WAA12F114	29.8 gr / 9,600 PSI	31.2 gr / 11,300 PSI	—
				1155 fps	**1210 fps**	
1 7/8 oz	Longshot	CCI209M	Rem. SP12	27.6 gr / 10,900 PSI	—	
1 7/8 oz	Longshot	Rem. 209P	Rem. SP12	28.4 gr / 11,000 PSI	—	
1 7/8 oz	Longshot	Win. 209	Rem. SP12	29.1 gr / 8,600 PSI	30.8 gr / 11,000 PSI	
				1140 fps		
1 7/8 oz	HS-7	Rem. 209P	WAA12R	36.0 gr / 10,800 LUP		
1 7/8 oz	HS-7	Rem. 209P	Rem. RP12	36.0 gr / 10,700 LUP		
12 GA., 3", WINCHESTER POLYFORMED PLASTIC GAME SHELLS (PLASTIC BASEWAD)						
				1225 fps	**1280 fps**	**1335 fps**
1 5/8 oz	Longshot	CCI209M	Rem. R12L	31.6 gr / 9,800 PSI	32.9 gr / 10,200 PSI	34.5 gr / 11,400 PSI
1 5/8 oz	Longshot	CCI209M	WAA12F114	—	31.6 gr / 10,700 PSI	—
1 5/8 oz	Longshot	Rem. 209P	Rem. R12L	32.2 gr / 8,500 PSI	33.9 gr / 9,200 PSI	35.7 gr / 10,000 PSI
1 5/8 oz	Longshot	Rem. 209P	WAA12F114	—	31.4 gr / 10,400 PSI	—
1 5/8 oz	Longshot	Win. 209	Rem. R12L	33.6 gr / 7,200 PSI	34.8 gr / 8,700 PSI	36.1 gr / 10,300 PSI
1 5/8 oz	Longshot	Win. 209	WAA12F114	—	32.7 gr / 10,400 PSI	34.0 gr / 11,500 PSI
				1155 fps	**1210 fps**	
1 7/8 oz	Longshot	CCI209M	Rem. SP12	28.5 gr / 9,900 PSI	31.0 gr / 11,500 PSI	
1 7/8 oz	Longshot	CCI209M	WAA12R + .070" card	28.5 gr / 10,400 PSI	—	
1 7/8 oz	Longshot	Rem. 209P	Rem. SP12	29.9 gr / 8,300 PSI	31.0 gr / 11,100 PSI	
1 7/8 oz	Longshot	Rem. 209P	WAA12R + .070" card	29.3 gr / 9,500 PSI	30.9 gr / 11,500 PSI	
1 7/8 oz	Longshot	Win. 209	Rem. SP12	30.2 gr / 9,500 PSI	32.0 gr / 10,700 PSI	
1 7/8 oz	Longshot	Win. 209	WAA12R + .070" card	29.5 gr / 8,800 PSI	31.3 gr / 11,000 PSI	
12 GA., 3", WINCHESTER COMPRESSION-FORMED SUPER-X TYPE SHELLS						
				1295 fps		
1 3/8 oz	HS-6	Win. 209	WAA12	35.5 gr / 9,400 LUP		
				1205 fps		
1 5/8 oz	HS-7	Win. 209	WAA12	36.0 gr / 10,400 LUP		
1 5/8 oz	HS-7	Win. 209	Rem. R12H	36.0 gr / 10,200 LUP		
				1100 fps		
1 7/8 oz	HS-7	Win. 209	WAA12R	33.5 gr / 10,600 LUP		
12 GA., 3 1/2", FEDERAL STEEL SHOTSHELLS (LEAD SHOT LOADS)						
				1250 fps	**1300 fps**	
1 7/8 oz	Longshot	Fed. 209A	Fed. 12S0 + 1–20 ga. .135" Card	36.3 gr/12,200 PSI	—	
1 7/8 oz	Longshot	Fed. 209A	WAA12L + 1–20 ga. .135" Card	37.0 gr/12,300 PSI	—	
1 7/8 oz	Longshot	Fed. 209A	WAA12SL + 1–20 ga. .135" Card	37.0 gr/12,500 PSI	—	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE	
12 GA., 3 1/2", FEDERAL STEEL SHOTSHELLS (LEAD SHOT LOADS) CONT.					
				1250 fps	**1300 fps**
1 7/8 oz	Longshot	Rem. 209P	Fed. 12S0 + 1–20 ga. .135" Card	37.8 gr/11,400 PSI	39.4 gr/13,300 PSI
1 7/8 oz	Longshot	Rem. 209P	WAA12L + 1–20 ga. .135" Card	37.3 gr/12,100 PSI	39.2 gr/13,400 PSI
1 7/8 oz	Longshot	Rem. 209P	WAA12SL + 1–20 ga. .135" Card	36.8 gr/12,400 PSI	39.0 gr/13,000 PSI
				1200 fps	
2 oz	Longshot	Fed. 209A	Fed. 12S3 + 1–20 ga. .135" Card	35.0 gr/12,900 PSI	
2 oz	Longshot	Fed. 209A	WAA12SL	34.8 gr/13,300 PSI	
2 oz	Longshot	Rem. 209P	Fed. 12S3 + 1–20 ga. .135" Card	35.5 gr/12,400 PSI	
2 oz	Longshot	Rem. 209P	WAA12SL	35.3 gr/12,300 PSI	
				1150 fps	
2 1/4 oz	Longshot	Fed. 209A	Fed. 12S3	32.0 gr/13,700 PSI	
2 1/4 oz	Longshot	Fed. 209A	Rem. RXP	31.0 gr/13,200 PSI	
2 1/4 oz	Longshot	Fed. 209A	WAA12	31.0 gr/13,700 PSI	
2 1/4 oz	Longshot	Rem. 209P	Fed. 12S3	33.0 gr/12,900 PSI	
2 1/4 oz	Longshot	Rem. 209P	Rem. RXP	33.0 gr/12,600 PSI	
2 1/4 oz	Longshot	Rem. 209P	WAA12	33.0 gr/13,400 PSI	
12 GA., 3 1/2", REMINGTON STEEL SHOTSHELLS (LEAD SHOT LOADS)					
				1250 fps	
1 7/8 oz	Longshot	Fed. 209A	Fed. 12S0 + 1–20 ga. .135" Card	36.0 gr / 13,600 PSI	
1 7/8 oz	Longshot	Fed. 209A	Rem. TGT12 + 1–20 ga. .135" Card	36.0 gr / 13,200 PSI	
1 7/8 oz	Longshot	Fed. 209A	WAA12SL + 1–20 ga. .135" Card	36.1 gr / 13,000 PSI	
1 7/8 oz	Longshot	Rem. 209P	Fed. 12S0 + 1–20 ga. .135" Card	36.4 gr / 13,000 PSI	
1 7/8 oz	Longshot	Rem. 209P	Rem. TGT12 + 1–20 ga. .135" Card	36.0 gr / 13,100 PSI	
1 7/8 oz	Longshot	Rem. 209P	WAA12SL + 1–20 ga. .135" Card	36.5 gr / 13,200 PSI	
				1200 fps	
2 oz	Longshot	Fed. 209A	Rem. TGT12	33.8 gr / 13,000 PSI	
2 oz	Longshot	Rem. 209P	Fed. 12S3 + 1–20 ga. .135" Card	34.0 gr / 13,300 PSI	
2 oz	Longshot	Rem. 209P	Rem. TGT12	34.0 gr / 13,300 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE	
12 GA., 3 1/2", REMINGTON STEEL SHOTSHELLS (LEAD SHOT LOADS) CONT.					
				1150 fps	**1175 fps**
2 1/4 oz	Longshot	Fed. 209A	Fed. 12S3	29.4 gr / 13,100 PSI	29.9 gr / 13,600 PSI
2 1/4 oz	Longshot	Fed. 209A	Rem. RXP	29.3 gr / 13,300 PSI	30.0 gr / 13,900 PSI
2 1/4 oz	Longshot	Fed. 209A	WAA12	29.5 gr / 13,600 PSI	—
2 1/4 oz	Longshot	Rem. 209P	Rem. RXP	31.0 gr / 13,700 PSI	—
2 1/4 oz	Longshot	Rem. 209P	WAA12	30.0 gr / 13,000 PSI	30.9 gr / 13,500 PSI
12 GA., 3 1/2", WINCHESTER STEEL SHOTSHELLS (LEAD SHOT LOADS)					
				1250 fps	**1300 fps**
1 7/8 oz	Longshot	Fed. 209A	Fed. 12S3 + 1–20 ga. .135" Card	35.5 gr / 13,400 PSI	—
1 7/8 oz	Longshot	Fed. 209A	WAA12 + 1–20 ga. .135" Card	35.9 gr / 13,000 PSI	—
1 7/8 oz	Longshot	Fed. 209A	WAA12SL + 1–20 ga. .135" Card	37.0 gr / 12,800 PSI	—
1 7/8 oz	Longshot	Win. 209	Fed. 12S3 + 1–20 ga. .135" Card	37.9 gr / 11,200 PSI	39.5 gr / 12,400 PSI
1 7/8 oz	Longshot	Win. 209	WAA12 + 1–20 ga. .135" Card	37.2 gr / 11,900 PSI	39.8 gr / 13,100 PSI
1 7/8 oz	Longshot	Win. 209	WAA12SL + 1–20 ga. .135" Card	38.6 gr / 11,100 PSI	—
				1200 fps	
2 oz	Longshot	Fed. 209A	Fed. 12S3 + 1–20 ga. .135" Card	34.2 gr / 13,400 PSI	
2 oz	Longshot	Fed. 209A	WAA12 + 1–20 ga. .135" Card	35.0 gr / 13,200 PSI	
2 oz	Longshot	Win. 209	Fed. 12S3 + 1–20 ga. .135" Card	38.0 gr / 11,300 PSI	
2 oz.	Longshot	Win. 209	WAA12 + 1–20 ga. .135" Card	36.0 gr / 12,800 PSI	
				1150 fps	
2 1/4 oz	Longshot	Rem. 209P	Fed. 12S4 + 1–20 ga. .135" Card	31.0 gr / 13,500 PSI	
2 1/4 oz	Longshot	Rem. 209P	Rem. R12H + 1–20 ga. .135" Card	31.5 gr / 12,400 PSI	
2 1/4 oz	Longshot	Rem. 209P	WAA12F114 + 1–20 ga. .135" Card	32.0 gr / 14,000 PSI	
2 1/4 oz	Longshot	Win. 209	Fed. 12S4	31.5 gr / 13,300 PSI	
2 1/4 oz	Longshot	Win. 209	Rem. R12H + 1–20 ga. .135" Card	32.0 gr / 13,200 PSI	
2 1/4 oz	Longshot	Win. 209	WAA12F114 + 1–20 ga. .135" Card	32.0 gr / 12,600 PSI	

SHOTSHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
16 GA., 2 3/4", FEDERAL HI POWER PLASTIC PAPER BASE WAD SHELLS							
				1165 fps	**1220 fps**	**1275 fps**	
1 oz	Universal	CCI 209M	Activ G-28	21.5 gr / 7,500 PSI	22.5 gr / 8,200 PSI	24.2 gr / 9,000 PSI	
1 oz	Universal	Fed. 209A	BPG/BP	21.0gr / 7,400 PSI	22.0 gr / 8,200 PSI	23.5 gr / 9,200 PSI	
1 oz	Universal	Win. 209	WAA16	20.7 gr / 7,600 PSI	22.3 gr / 8,200 PSI	23.5 gr / 8,900 PSI	
16 GA., 2 3/4", REMINGTON SP PLASTIC SHELLS							
				1165 fps	**1220 fps**	**1275 fps**	
1 oz	Universal	CCI 209M	BPG/BP	19.5 gr / 8,400 PSI	20.5 gr / 9,600 PSI	21.5 gr / 10,300 PSI	
1 oz	Universal	Win. 209	REM. SP16	18.5 gr / 8,800 PSI	19.8 gr / 9,900 PSI	20.5 gr / 10,400 PSI	
1 oz	Universal	Win. 209	WAA16	18.5 gr / 9,000 PSI	19.5 gr / 9,900 PSI	20.5 gr / 10,400 PSI	
16 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED SHELLS							
				1165 fps	**1220 fps**	**1275 fps**	
1 oz	Universal	Win. 209	BPG/BP	19.5 gr / 9,100 PSI	20.0 gr / 10,000 PSI	21.0 gr / 10,700 PSI	
1 oz	Universal	Win. 209	WAA16	19.0 gr / 9,200 PSI	20.0 gr / 10,300 PSI	20.7 gr / 11,000 PSI	
1 oz	HS-6	CCI 209	WAA16	23.5 gr / 8,200 LUP	24.5 gr / 8,800 LUP	—	
1 oz	HS-6	Win. 209	WAA16	23.0 gr / 8,500 LUP	24.0 gr / 9,300 LUP	—	
1 oz	HS-7	Win. 209	WAA16	25.0 gr / 8,400 LUP	26.5 gr / 9,100 LUP	—	
				1185 fps	**1240 fps**		
1 1/8 oz	HS-6	Win. 209	WAA16	24.5 gr / 10,600 LUP	—		
1 1/8 oz	HS-6	Win. 209	Rem. SP16	26.5 gr / 8,600 LUP	27.5 gr / 9,400 LUP		
1 1/8 oz	HS-7	Win. 209	WAA16	26.0 gr / 10,100 LUP	27.0 gr / 10,700 LUP		
20 GA., 2 3/4", CHEDDITE PLASTIC SHELLS							
				1200 fps	**1225 fps**	**1250 fps**	
7/8 oz	Universal	Ched.209	Fed. 20S1	17.0 gr / 8,900 PSI	17.5 gr / 9,600 PSI	18.1 gr / 10,000 PSI	
7/8 oz	Universal	Ched.209	G/BP20	18.0 gr / 9,100 PSI	18.3 gr / 9,700 PSI	18.6 gr / 9,900 PSI	
7/8 oz	Universal	Fio. 616	Fed. 20S1	16.7 gr / 9,200 PSI	17.1 gr / 9,700 PSI	17.5 gr / 10,300 PSI	
7/8 oz	Universal	Fio. 616	G/BP20	17.0 gr / 9,500 PSI	17.5 gr / 9,700 PSI	18.0 gr / 10,200 PSI	
				1300 fps	**1350 fps**	**1400 fps**	**1450 fps**
7/8 oz	Longshot	Ched.209	Fed. 20S1	21.4 gr / 9,000 PSI	22.6 gr / 9,800 PSI	23.7 gr / 10,600 PSI	24.9 gr / 11,500 PSI
7/8 oz	Longshot	Ched.209	Rem. RXP20	21.3 gr / 7,800 PSI	22.5 gr / 8,700 PSI	23.6 gr / 9,400 PSI	24.8 gr / 10,300 PSI
7/8 oz	Longshot	Fio. 616	Fed. 20S1	20.7 gr / 8,700 PSI	21.7 gr / 9,400 PSI	22.8 gr / 10,200 PSI	23.8 gr / 10,900 PSI
7/8 oz	Longshot	Fio. 616	Rem. RXP20	21.1 gr / 9,100 PSI	22.3 gr / 9,900 PSI	23.4 gr / 10,700 PSI	24.6 gr / 11,500 PSI
				1165 fps	**1220 fps**	**1275 fps**	
1 oz	Longshot	Ched.209	Fed. 20S1	17.8 gr / 9,200 PSI	19.0 gr / 10,000 PSI	20.2 gr / 10,900 PSI	
1 oz	Longshot	Ched.209	WAA20	17.5 gr / 8,300 PSI	19.0 gr / 9,600 PSI	20.5 gr / 10,900 PSI	
20 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS							
				1200 fps	**1225 fps**	**1250 fps**	
7/8 oz	Internat'l	CCI 209SC	Fed. 20S1	15.0 gr / 11,100 PSI	15.6 gr / 11,800 PSI	—	
7/8 oz	Internat'l	CCI 209SC	PC20	14.7 gr / 10,400 PSI	—	—	
7/8 oz	Internat'l	CCI 209SC	Rem. RXP20	14.5 gr / 10,000 PSI	15.5 gr / 10,700 PSI	—	
7/8 oz	Internat'l	CCI 209SC	WAA20F1	14.7 gr / 10,300 PSI	15.3 gr / 11,600 PSI	—	
7/8 oz	Internat'l	CCI 209SC	Windjammer	15.0 gr / 10,700 PSI	15.5 gr / 11,800 PSI	—	
7/8 oz	Internat'l	Fed. 209A	Fed. 20S1	14.5 gr / 11,500 PSI	—	—	
7/8 oz	Internat'l	Fed. 209A	Rem. RXP20	14.7 gr / 11,100 PSI	—	—	
7/8 oz	Internat'l	Fed. 209A	WAA20F1	14.5 gr / 11,500 PSI	—	—	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
20 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS CONT.							
				1200 fps	**1225 fps**	**1250 fps**	
7/8 oz	Internat'l	Fed. 209A	Windjammer	14.5 gr / 11,300 PSI	14.9 gr / 12,000 PSI	—	
7/8 oz	Internat'l	Rem. 209P	Fed. 20S1	15.3 gr / 10,700 PSI	—	—	
7/8 oz	Internat'l	Rem. 209P	WAA20F1	15.0 gr / 10,200 PSI	15.5 gr / 11,300 PSI	16.0 gr / 11,500 PSI	
7/8 oz	Internat'l	Rem. 209P	Windjammer	15.3 gr / 10,700 PSI	16.0 gr / 11,400 PSI	—	
7/8 oz	Internat'l	Win. 209	Fed. 20S1	14.6 gr / 11,400 PSI	—	—	
7/8 oz	Internat'l	Win. 209	PC20	15.0 gr / 11,200 PSI	—	—	
7/8 oz	Internat'l	Win. 209	Rem. RXP20	14.7 gr / 10,200 PSI	15.3 gr / 11,300 PSI	—	
7/8 oz	Internat'l	Win. 209	WAA20F1	14.5 gr / 10,500 PSI	15.1 gr / 11,500 PSI	—	
7/8 oz	Internat'l	Win. 209	Windjammer	14.5 gr / 10,800 PSI	—	—	
7/8 oz	Universal	CCI 209SC	Fed. 20S1	17.0 gr / 9,500 PSI	17.6 gr / 10,100 PSI	—	
7/8 oz	Universal	CCI 209SC	PC20	17.5 gr / 9,500 PSI	—	—	
7/8 oz	Universal	CCI 209SC	Rem. RXP20	17.5 gr / 9,000 PSI	18.0 gr / 9,800 PSI	18.5 gr / 10,000 PSI	
7/8 oz	Universal	CCI 209SC	WAA20F1	17.2 gr / 9,200 PSI	17.7 gr / 9,500 PSI	18.0 gr / 10,000 PSI	
7/8 oz	Universal	CCI 209SC	Windjammer	17.0 gr / 9,500 PSI	17.6 gr / 9,800 PSI	18.2 gr / 10,300 PSI	
7/8 oz	Universal	Fed. 209A	Fed. 20S1	16.7 gr / 10,000 PSI	17.0 gr / 10,700 PSI	—	
7/8 oz	Universal	Fed. 209A	PC20	17.0 gr / 10,000 PSI	—	—	
7/8 oz	Universal	Fed. 209A	Rem. RXP20	17.0 gr / 9,800 PSI	17.7 gr / 10,200 PSI	18.0 gr / 10,400 PSI	
7/8 oz	Universal	Fed. 209A	WAA20F1	17.0 gr / 10,100 PSI	17.5 gr / 10,500 PSI	17.8 gr / 10,800 PSI	
7/8 oz	Universal	Fed. 209A	Windjammer	17.0 gr / 9,600 PSI	17.5 gr / 10,300 PSI	18.0 gr / 10,800 PSI	
7/8 oz	Universal	Rem. 209P	Fed. 20S1	18.0 gr / 9,300 PSI	—	—	
7/8 oz	Universal	Rem. 209P	Rem. RXP20	18.5 gr / 8,400 PSI	19.0 gr / 9,100 PSI	—	
7/8 oz	Universall	Rem. 209P	WAA20F1	17.8 gr / 8,700 PSI	18.3 gr / 9,500 PSI	—	
7/8 oz	Universal	Rem. 209P	Windjammer	18.0 gr / 8,900 PSI	18.5 gr / 9,400 PSI	—	
7/8 oz	Universal	Win. 209	Fed. 20S1	17.4 gr / 9,600 PSI	18.0 gr / 10,300 PSI	—	
7/8 oz	Universal	Win. 209	PC20	17.5 gr / 9,400 PSI	—	—	
7/8 oz	Universal	Win. 209	Rem. RXP20	17.5 gr / 9,300 PSI	18.2 gr / 9,800 PSI	—	
7/8 oz	Universal	Win. 209	WAA20	17.0 gr / 9,300 PSI	17.5 gr / 9,900 PSI	18.0 gr / 10,200 PSI	
7/8 oz	Universal	Win. 209	WAA20F1	17.0 gr / 10,000 PSI	17.4 gr / 10,200 PSI	17.9 gr / 10,400 PSI	
7/8 oz	Universal	Win. 209	Windjammer	17.5 gr / 9,200 PSI	18.2 gr / 9,900 PSI	18.5 gr / 10,400 PSI	
				1300 fps	**1350 fps**	**1400 fps**	**1450 fps**
7/8 oz	Longshot	CCI209M	Fed. 20S1	20.5 gr / 8,900 PSI	21.5 gr / 9,800 PSI	22.6 gr / 10,900 PSI	—
7/8 oz	Longshot	CCI209M	Rem. RXP20	21.1 gr / 8,500 PSI	22.1 gr / 9,200 PSI	23.2 gr / 9,900 PSI	24.2 gr / 10,700 PSI
7/8 oz	Longshot	CCI209M	WAA20	21.0 gr / 8,700 PSI	21.7 gr / 9,700 PSI	22.3 gr / 10,600 PSI	—
7/8 oz	Longshot	Fed. 209A	Fed. 20S1	20.3 gr / 9,300 PSI	21.3 gr / 10,200 PSI	22.3 gr / 11,100 PSI	—
7/8 oz	Longshot	Fed. 209A	Rem. RXP20	20.5 gr / 8,800 PSI	21.6 gr / 9,800 PSI	22.7 gr / 10,700 PSI	23.8 gr / 11,800 PSI
7/8 oz	Longshot	Fed. 209A	WAA20	20.6 gr / 8,900 PSI	21.7 gr / 9,800 PSI	22.8 gr / 10,600 PSI	23.9 gr / 11,400 PSI
7/8 oz	Longshot	Rem. 209P	Fed. 20S1	20.6 gr / 8,800 PSI	21.7 gr / 9,700 PSI	22.8 gr / 10,500 PSI	24.0 gr / 11,900 PSI
7/8 oz	Longshot	Rem. 209P	Rem. RXP20	22.5 gr / 8,200 PSI	23.2 gr / 9,000 PSI	23.9 gr / 9,700 PSI	24.5 gr / 10,400 PSI
7/8 oz	Longshot	Rem. 209P	WAA20	20.8 gr / 8,600 PSI	21.9 gr / 9,400 PSI	22.9 gr / 10,200 PSI	24.0 gr / 11,000 PSI
7/8 oz	Longshot	Win. 209	Fed. 20S1	21.5 gr / 8,100 PSI	22.6 gr / 8,900 PSI	23.7 gr / 9,700 PSI	25.0 gr / 11,000 PSI
7/8 oz	Longshot	Win. 209	Rem. RXP20	—	24.1 gr / 7,700 PSI	24.9 gr / 8,700 PSI	25.7 gr / 9,600 PSI
7/8 oz	Longshot	Win. 209	WAA20	22.3 gr / 7,500 PSI	23.3 gr / 8,300 PSI	24.3 gr / 9,200 PSI	25.0 gr / 10,800 PSI
				1165 fps	**1220 fps**	**1250 fps**	
1 oz	HS-6	CCI 209M	WAA20F1	21.5 gr / 9,800 PSI	23.0 gr / 11,200 PSI	—	
1 oz	HS-6	CCI 209M	REM SP20	21.3 gr / 10,000 PSI	22.5 gr / 10,800 PSI	—	
1 oz	HS-6	Fed. 209A	REM SP20	21.0 gr / 10,100 PSI	22.5 gr / 11,300 PSI	—	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
20 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS CONT.							
				1165 fps	**1220 fps**	**1250 fps**	
1 oz	HS-6	Fed. 209A	WAA20F1	21.0 gr / 9,700 PSI	22.5 gr / 11,200 PSI	—	
1 oz	HS-6	Win. 209	REM SP20	21.5 gr / 9,900 PSI	23.0 gr / 10,900 PSI	24.0 gr / 11,700 PSI	
1 oz	HS-6	Win. 209	WAA20F1	21.5 gr / 10,100 PSI	23.0 gr / 11,700 PSI	—	
				1165 fps	**1220 fps**	**1275 fps**	
1 oz	Longshot	CCI 209M	Fed. 20S1	17.7 gr / 9,200 PSI	19.1 gr / 10,500 PSI	20.5 gr / 11,800 PSI	
1 oz	Longshot	CCI 209M	Rem. SP20	—	19.5 gr / 10,400 PSI	20.6 gr / 11,800 PSI	
1 oz	Longshot	CCI 209M	WAA20F1	—	18.9 gr / 10,400 PSI	20.5 gr / 11,800 PSI	
1 oz	Longshot	Fed. 209A	Fed. 20S1	16.8 gr / 9,400 PSI	18.5 gr / 10,600 PSI	20.3 gr / 11,800 PSI	
1 oz	Longshot	Fed. 209A	Rem. SP20	17.4 gr / 9,400 PSI	18.9 gr / 10,500 PSI	20.4 gr / 11,700 PSI	
1 oz	Longshot	Fed. 209A	WAA20F1	17.7 gr / 9,100 PSI	18.9 gr / 10,100 PSI	20.2 gr / 11,200 PSI	
1 oz	Longshot	Rem. 209P	Fed. 20S1	17.7 gr / 8,700 PSI	19.0 gr / 10,100 PSI	20.2 gr / 11,400 PSI	
1 oz	Longshot	Rem. 209P	Rem. RXP20	19.0 gr / 8,700 PSI	19.8 gr / 9,600 PSI	20.7 gr / 10,600 PSI	
1 oz	Longshot	Rem. 209P	WAA20F1	17.1 gr / 9,100 PSI	18.8 gr / 10,000 PSI	20.6 gr / 10,900 PSI	
1 oz	Longshot	Win. 209	Fed. 20S1	18.6 gr / 9,000 PSI	19.7 gr / 9,900 PSI	20.9 gr / 10,800 PSI	
1 oz	Longshot	Win. 209	Rem. RXP20	19.8 gr / 8,100 PSI	20.7 gr / 8,900 PSI	21.5 gr / 9,700 PSI	
1 oz	Longshot	Win. 209	WAA20F1	17.8 gr / 8,400 PSI	19.5 gr / 9,400 PSI	21.0 gr / 10,300 PSI	
20 GA., 2 3/4", FIOCCHI AND PMC PLASTIC TARGET SHELLS (LOW BASE WAD)							
				1200 fps	**1225 fps**	**1250 fps**	
7/8 oz	Internat'l	Fio. 616	Fed. 20S1	14.6 gr / 11,800 PSI	—	—	
7/8 oz	Internat'l	Fio. 616	PC20	14.8 gr / 11,000 PSI	—	—	
7/8 oz	Internat'l	Fio. 616	Rem. RXP 20	15.0 gr / 10,700 PSI	—	—	
7/8 oz	Internat'l	Fio. 616	WAA20	14.8 gr / 11,700 PSI	—	—	
7/8 oz	Internat'l	Fio. 616	Windjammer	15.0 gr / 12,000 PSI	—	—	
7/8 oz	Universal	Fio. 616	Fed. 20S1	16.6 gr / 9,800 PSI	17.0 gr / 10,600 PSI	—	
7/8 oz	Universal	Fio. 616	PC20	17.0 gr / 9,800 PSI	—	—	
7/8 oz	Universal	Fio. 616	Rem. RXP 20	17.3 gr / 9,100 PSI	18.0 gr / 9,800 PSI	—	
7/8 oz	Universal	Fio. 616	WAA20	17.0 gr / 9,300 PSI	17.6 gr / 9,800 PSI	18.0 gr / 10,000 PSI	
7/8 oz	Universal	Fio. 616	Windjammer	17.5 gr / 9,400 PSI	17.8 gr / 9,900 PSI	18.0 gr / 10,200 PSI	
7/8 oz	Universal	Ched. 209	Fed. 20S1	17.5 gr / 9,400 PSI	18.0 gr / 9,300 PSI	—	
7/8 oz	Universal	Ched. 209	Rem. RXP 20	18.5 gr / 8,700 PSI	—	—	
7/8 oz	Universal	Ched. 209	WAA20	18.0 gr / 9,000 PSI	—	—	
				1300 fps	**1350 fps**	**1400 fps**	**1450 fps**
7/8 oz	Longshot	Ched.209	Fed. 20S1	20.7 gr / 9,300 PSI	21.8 gr / 9,300 PSI	23.0 gr / 10,200 PSI	24.1 gr / 11,000 PSI
7/8 oz	Longshot	Ched.209	Rem. RXP20	—	22.0 gr / 9,200 PSI	23.5 gr / 10,500 PSI	24.8 gr / 11,600 PSI
7/8 oz	Longshot	Fio. 616	Fed. 20S1	21.2 gr / 9,100 PSI	22.2 gr / 10,400 PSI	23.2 gr / 11,600 PSI	—
7/8 oz	Longshot	Fio. 616	Rem. RXP20	—	22.0 gr / 9,100 PSI	23.2 gr / 10,000 PSI	24.3 gr / 10,800 PSI
				1165 fps	**1220 fps**	**1275 fps**	
1 oz	Longshot	Fio. 616	Fed. 20S1	18.0 gr / 8,900 PSI	19.2 gr / 10,000 PSI	20.4 gr / 11,200 PSI	
1 oz	Longshot	Fio. 616	WAA20	18.3 gr / 9,000 PSI	19.4 gr / 9,900 PSI	20.5 gr / 10,800 PSI	
20 GA., 2 3/4", REMINGTON RXP, PREMIER AND STS PLASTIC SHELLS							
				1150 fps	**1200 fps**	**1250 fps**	
3/4 oz	Internat'l	CCI 209M	PC20	12.2 gr / 9,400 PSI	13.0 gr / 10,800 PSI	—	
3/4 oz	Internat'l	CCI 209M	WAA20	12.0 gr / 9,200 PSI	13.1 gr / 10,700 PSI	—	
3/4 oz	Internat'l	Rem. 209P	PC20	12.5 gr / 8,400 PSI	13.7 gr / 9,500 PSI	—	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE		
20 GA., 2 3/4", REMINGTON RXP, PREMIER AND STS PLASTIC SHELLS CONT.						
				1150 fps	**1200 fps**	**1250 fps**
3/4 oz	Internat'l	Rem. 209P	WAA20	12.5 gr / 8,600 PSI	13.6 gr / 10,600 PSI	—
3/4 oz	Internat'l	Win. 209	PC20	12.5 gr / 9,000 PSI	13.2 gr / 10,200 PSI	14.2 gr / 11,800 PSI
3/4 oz	Internat'l	Win. 209	WAA20	12.0 gr / 9,000 PSI	13.2 gr / 10,400 PSI	—
				1200 fps	**1225fps**	**1250 fps**
7/8 oz	Internat'l	Rem. 209P	RXP20	14.0 gr / 10,700 PSI	—	—
7/8 oz	Internat'l	Win. 209	PC20	14.0 gr / 11,000 PSI	—	—
7/8 oz	Internat'l	Win. 209	WAA20	14.0 gr / 11,900 PSI	—	—
7/8 oz	Universal	CCI 209SC	Fed. 20S1	15.2 gr / 10,700 PSI	15.6 gr / 11,500 PSI	—
7/8 oz	Universal	CCI 209SC	Rem. RXP 20	15.5 gr / 10,400 PSI	16.0 gr / 11,000 PSI	16.4 gr / 11,300 PSI
7/8 oz	Universal	CCI 209SC	WAA20F1	15.4 gr / 10,700 PSI	15.9 gr / 10,900 PSI	16.2 gr / 11,900 PSI
7/8 oz	Universal	CCI 209SC	Windjammer	15.4 gr / 10,700 PSI	15.8 gr / 11,400 PSI	—
7/8 oz	Universal	Fed. 209A	Fed. 20S1	15.0 gr / 11,900 PSI	—	—
7/8 oz	Universal	Fed. 209A	Rem. RXP 20	15.4 gr / 10,700 PSI	15.9 gr / 11,300 PSI	—
7/8 oz	Universal	Fed. 209A	WAA20F1	15.0 gr / 11,200 PSI	15.5 gr / 12,000 PSI	—
7/8 oz	Universal	Rem. 209P	Fed. 20S1	16.0 gr / 10,700 PSI	16.2 gr / 11,100 PSI	16.5 gr / 11,400 PSI
7/8 oz	Universal	Rem. 209P	Rem. RXP 20	15.8 gr / 9,900 PSI	16.7 gr / 10,700 PSI	—
7/8 oz	Universal	Rem. 209P	WAA20F1	15.6 gr / 10,500 PSI	16.0 gr / 11,000 PSI	16.5 gr / 11,200 PSI
7/8 oz	Universal	Rem. 209P	Windjammer	16.0 gr / 10,600 PSI	16.5 gr / 11,200 PSI	—
7/8 oz	Universal	Win. 209	Fed. 20S1	15.5 gr / 10,800 PSI	16.0 gr / 11,500 PSI	—
7/8 oz	Universal	Win. 209	Rem. RXP 20	16.0 gr / 10,400 PSI	16.7 gr / 11,400 PSI	—
7/8 oz	Universal	Win. 209	Windjammer	16.0 gr / 10,800 PSI	16.5 gr / 11,500 PSI	—
				1250 fps	**1300 fps**	**1350 fps**
7/8 oz	Longshot	CCI209M	Fed. 20S1	16.9 gr / 10,400 PSI	18.0 gr / 11,600 PSI	—
7/8 oz	Longshot	CCI209M	PC20	17.7 gr / 9,500 PSI	18.4 gr / 10,600 PSI	19.6 gr / 12,000 PSI
7/8 oz	Longshot	CCI209M	Rem. RXP20	17.7 gr / 9,500 PSI	18.7 gr / 10,800 PSI	19.6 gr / 12,000 PSI
7/8 oz	Longshot	CCI209M	WAA20	17.0 gr / 10,700 PSI	18.1 gr / 11,700 PSI	—
7/8 oz	Longshot	CCI209M	Windjammer	17.3 gr / 10,000 PSI	18.1 gr / 11,300 PSI	—
7/8 oz	Longshot	Fed. 209A	Fed. 20S1	17.5 gr / 10,800 PSI	18.3 gr / 12,000 PSI	—
7/8 oz	Longshot	Fed. 209A	PC20	17.6 gr / 10,200 PSI	18.6 gr / 11,200 PSI	—
7/8 oz	Longshot	Fed. 209A	Rem. RXP20	17.6 gr / 10,100 PSI	18.6 gr / 11,200 PSI	—
7/8 oz	Longshot	Fed. 209A	WAA20	17.1 gr / 10,600 PSI	18.3 gr / 11,700 PSI	—
7/8 oz	Longshot	Fed. 209A	Windjammer	17.2 gr / 10,400 PSI	18.5 gr / 11,900 PSI	—
7/8 oz	Longshot	Rem. 209P	Fed. 20S1	17.5 gr / 10,200 PSI	18.4 gr / 11,600 PSI	—
7/8 oz	Longshot	Rem. 209P	PC20	17.7 gr / 9,500 PSI	18.8 gr / 10,700 PSI	19.9 gr / 11,900 PSI
7/8 oz	Longshot	Rem. 209P	Rem. RXP20	17.6 gr / 9,600 PSI	18.9 gr / 11,200 PSI	—
7/8 oz	Longshot	Rem. 209P	WAA20	17.3 gr / 10,300 PSI	18.5 gr / 11,800 PSI	—
7/8 oz	Longshot	Rem. 209P	Windjammer	17.8 gr / 10,100 PSI	18.9 gr / 11,200 PSI	—
7/8 oz	Longshot	Win. 209	PC20	18.8 gr / 8,700 PSI	19.8 gr / 10,100 PSI	20.7 gr / 11,300 PSI
7/8 oz	Longshot	Win. 209	Rem. RXP20	18.2 gr / 9,100 PSI	19.4 gr / 10,300 PSI	20.6 gr / 11,500 PSI
7/8 oz	Longshot	Win. 209	WAA20	17.9 gr / 9,900 PSI	19.0 gr / 11,200 PSI	—
7/8 oz	Longshot	Win. 209	Windjammer	18.4 gr / 9,000 PSI	19.4 gr / 10,500 PSI	20.3 gr / 12,000 PSI
7/8 oz	Longshot	Win. 209	Fed. 20S1	18.1 gr / 10,000 PSI	19.1 gr / 11,100 PSI	20.1 gr / 12,000 PSI
				1165 fps	**1220 fps**	
1 oz	HS-6	CCI 209	Rem. SP 20	20.5 gr / 11,500 PSI	—	
1 oz	HS-6	CCI 209	WAA20F1	20.5 gr / 11,900 PSI	—	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE		
20 GA., 2 3/4", REMINGTON RXP, PREMIER AND STS PLASTIC SHELLS CONT.						
				1165 fps	**1220 fps**	
1 oz	HS-6	CCI 209	Windjammer	19.6 gr / 11,200 PSI	—	
1 oz	HS-6	CCI 209M	Fed. 20S1	19.5 gr / 11,600 PSI	—	
1 oz	HS-6	CCI 209M	WAA20F1	19.7 gr / 11,300 PSI	—	
1 oz	HS-6	Fed. 209A	Rem. SP 20	19.5 gr / 11,400 PSI	—	
1 oz	HS-6	Fed. 209A	WAA20F1	19.5 gr / 11,100 PSI	—	
1 oz	HS-6	Rem. 209P	Fed. 20S1	20.0 gr / 10,900 PSI	—	
1 oz	HS-6	Rem. 209P	WAA20F1	20.4 gr / 10,900 PSI	21.6 gr / 11,700 PS	
1 oz	HS-6	Rem. 209P	Windjammer	20.8 gr / 10,900 PSI	—	
1 oz	HS-6	Win. 209	Fed. 20S1	19.7 gr / 11,500 PSI	—	
1 oz	HS-6	Win. 209	Rem. SP 20	20.0 gr / 11,200 PSI	—	
1 oz	HS-6	Win. 209	WAA20F1	20.3 gr / 11,200 PSI	—	
1 oz	HS-6	Win. 209	Windjammer	20.0 gr / 11,200 PSI	—	
1 oz	Longshot	CCI 209M	Rem. SP20	16.5 gr / 11,700 PSI	—	
1 oz	Longshot	CCI 209M	WAA20F1	16.5 gr / 11,000 PSI	—	
1 oz	Longshot	Fed. 209A	WAA20F1	15.9 gr / 11,200 PSI	16.5 gr / 12,000 PSI	
1 oz	Longshot	Rem. 209P	Rem. SP20	16.0 gr / 11,100 PSI	—	
1 oz	Longshot	Rem. 209P	WAA20F1	15.9 gr / 10,900 PSI	17.3 gr / 12,000 PSI	
1 oz	Longshot	Win. 209	Rem. SP20	16.0 gr / 10,400 PSI	17.8 gr / 12,000 PSI	
1 oz	Longshot	Win. 209	WAA20F1	16.3 gr / 9,900 PSI	18.0 gr / 12,000 PSI	
20 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS						
				1150 fps	**1200 fps**	**1250 fps**
3/4 oz	Internat'l	CCI 209M	Fio. 20	12.2 gr / 9,700 PSI	13.0 gr / 10,800 PSI	—
3/4oz	Internat'l	CCI 209M	PC20	12.3 gr / 10,200 PSI	13.1 gr / 11,900 PSI	—
3/4oz	Internat'l	CCI 209M	WAA20	12.1 gr / 10,100 PSI	12.7 gr / 11,500 PSI	—
3/4oz	Internat'l	Rem. 209P	Fio. 20	12.8 gr / 8,100 PSI	13.8 gr / 10,200 PSI	14.5 gr / 10,900 PSI
3/4oz	Internat'l	Rem. 209P	PC20	12.5 gr / 9,000 PSI	14.0 gr / 10,900 PSI	—
3/4oz	Internat'l	Rem. 209P	WAA20	12.1 gr / 9,000 PSI	13.2 gr / 10,500 PSI	—
3/4oz	Internat'l	Win. 209	Fio. 20	12.3 gr / 9,000 PSI	12.9 gr / 10,500 PSI	14.0 gr / 11,800 PSI
3/4oz	Internat'l	Win. 209	PC20	12.2 gr / 10,400 PSI	13.0 gr / 11,300 PSI	—
3/4oz	Internat'l	Win. 209	WAA20	12.0 gr / 10,100 PSI	13.0 gr / 11,700 PSI	—
				1200 fps		
7/8 oz	Internat'l	Rem. 209P	Rem. RXP20	14.0 gr / 10,800 PSI		
7/8 oz	Internat'l	Win. 209	PC20	14.0 gr / 11,200 PSI		
7/8 oz	Internat'l	Win. 209	WAA20	14.0 gr / 11,800 PSI		
7/8 oz	Universal	CCI 209SC	Fed. 20S1	14.6 gr / 11,800 PSI		
7/8 oz	Universal	CCI 209SC	PC20	15.5 gr / 11,600 PSI		
7/8 oz	Universal	CCI 209SC	Rem. RXP20	15.3 gr / 11,100 PSI		
7/8 oz	Universal	CCI 209SC	WAA20F1	15.1 gr / 11,600 PSI		
7/8 oz	Universal	CCI 209SC	Windjammer	15.5 gr / 11,900 PSI		
7/8 oz	Universal	Fed. 209A	Fed. 20S1	14.3 gr / 12,000 PSI		
7/8 oz	Universal	Fed. 209A	PC20	14.7 gr / 11,900 PSI		
7/8 oz	Universal	Fed. 209A	Rem. RXP20	14.8 gr / 11,400 PSI		
7/8 oz	Universal	Fed. 209A	WAA20F1	14.6 gr / 12,000 PSI		
7/8 oz	Universal	Fed. 209A	Windjammer	15.8 gr / 11,700 PSI		
7/8 oz	Universal	Rem. 209P	Fed. 20S1	15.3 gr / 11,500 PSI		

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE		
20 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS CONT.						
				1200 fps		
7/8 oz	Universal	Rem. 209P	PC20	15.5 gr / 11,100 PSI		
7/8 oz	Universal	Rem. 209P	Rem. RXP20	15.8 gr / 9,800 PSI		
7/8 oz	Universal	Rem. 209P	WAA20F1	15.3 gr / 11,600 PSI		
7/8 oz	Universal	Rem. 209P	Windjammer	16.0 gr / 11,700 PSI		
7/8 oz	Universal	Win. 209	Fed. 20S1	14.7 gr / 12,000 PSI		
7/8 oz	Universal	Win. 209	Rem. RXP20	15.0 gr / 11,000 PSI		
7/8 oz	Universal	Win. 209	Windjammer	15.0 gr / 11,800 PSI		
7/8 oz	Universal	Win. 209	WAA20	15.5 gr / 10,200 PSI		
				1250 fps	**1300 fps**	**1350 fps**
7/8 oz	Longshot	CCI209M	Fed. 20S1	17.3 gr / 11,000 PSI	—	—
7/8 oz	Longshot	CCI209M	PC20	17.4 gr / 11,000 PSI	18.5 gr / 11,800 PSI	—
7/8 oz	Longshot	CCI209M	Rem.RXP20	17.7 gr / 9,800 PSI	18.5 gr / 11,200 PSI	—
7/8 oz	Longshot	CCI209M	WAA20	17.2 gr / 10,900 PSI	18.0 gr / 11,900 PSI	—
7/8 oz	Longshot	CCI209M	Windjammer	17.6 gr / 10,700 PSI	18.4 gr / 12,000 PSI	—
7/8 oz	Longshot	Fed. 209A	Fed. 20S1	17.5 gr / 11,800 PSI	—	—
7/8 oz	Longshot	Fed. 209A	PC20	17.8 gr / 11,000 PSI	18.4 gr / 11,900 PSI	—
7/8 oz	Longshot	Fed. 209A	Rem.RXP20	17.8 gr / 11,400 PSI	18.9 gr / 12,000 PSI	—
7/8 oz	Longshot	Fed. 209A	WAA20	17.4 gr / 11,900 PSI	—	—
7/8 oz	Longshot	Fed. 209A	Windjammer	17.4 gr / 11,200 PSI	18.5 gr / 12,000 PSI	—
7/8 oz	Longshot	Rem. 209P	Fed. 20S1	17.6 gr / 10,800 PSI	18.5 gr / 12,000 PSI	—
7/8 oz	Longshot	Rem. 209P	PC20	17.9 gr / 10,900 PSI	18.6 gr / 11,600 PSI	—
7/8 oz	Longshot	Rem. 209P	Rem.RXP20	17.7 gr / 10,400 PSI	18.7 gr / 11,400 PSI	—
7/8 oz	Longshot	Rem. 209P	WAA20	17.2 gr / 11,100 PSI	18.4 gr / 11,800 PSI	—
7/8 oz	Longshot	Rem. 209P	Windjammer	17.9 gr / 10,700 PSI	18.5 gr / 11,900 PSI	—
7/8 oz	Longshot	Win. 209	Fed. 20S1	17.6 gr / 10,600 PSI	18.6 gr / 11,400 PSI	—
7/8 oz	Longshot	Win. 209	PC20	18.3 gr / 9,600 PSI	19.4 gr / 10,600 PSI	20.5 gr / 11,600 PSI
7/8 oz	Longshot	Win. 209	Rem.RXP20	18.4 gr / 9,800 PSI	19.3 gr / 10,700 PSI	—
7/8 oz	Longshot	Win. 209	WAA20	17.8 gr / 10,600 PSI	18.6 gr / 11,700 PSI	—
7/8 oz	Longshot	Win. 209	Windjammer	18.4 gr / 10,100 PSI	19.1 gr / 11,000 PSI	20.0 gr / 12,000 PSI
				1165 fps	**1220 fps**	**1250 fps**
1 oz	HS-6	Rem. 209P	Rem. SP20	19.8 gr / 11,900 PSI	—	—
1 oz	HS-6	Rem. 209P	WAA20F1	19.5 gr / 11,800 PSI	—	—
1 oz	HS-6	Win. 209	WAA20F1	21.5 gr / 10,000 LUP	22.5 gr / 10,900 LUP	—
1 oz	HS-6	Win. 209	Rem. SP20	23.0 gr / 10,100 LUP	24.0 gr / 10,800 LUP	—
1 oz	HS-7	Win. 209	Rem. SP20	23.5 gr / 9,400 LUP	24.5 gr / 10,600 LUP	—
				1165 fps	**1220 fps**	
1 oz	Longshot	CCI 209M	Rem. SP20	16.7 gr / 11,700 PSI	—	
1 oz	Longshot	CCI 209M	WAA20F1	15.5 gr / 11,900 PSI	—	
1 oz	Longshot	Fed. 209A	WAA20F1	15.5 gr / 11,900 PSI	—	
1 oz	Longshot	Rem. 209P	Rem. SP20	16.3 gr / 11,800 PSI	—	
1 oz	Longshot	Rem. 209P	WAA20F1	15.8 gr / 11,800 PSI	—	
1 oz	Longshot	Win. 209	Rem. SP20	16.5 gr / 10,700 PSI	18.1 gr / 12,000 PSI	
1 oz	Longshot	Win. 209	WAA20F1	15.7 gr / 10,900 PSI	17.2 gr / 12,000 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE		
20 GA., 3", FEDERAL PLASTIC SHELLS						
				1175 fps	**1230 fps**	**1285 fps**
1 1/8 oz	Longshot	CCI 209M	Fed. 20S1	19.6 gr / 9,000 PSI	21.0 gr / 10,300 PSI	22.4 gr / 11,500 PSI
1 1/8 oz	Longshot	CCI 209M	Rem. RXP20	19.4 gr / 9,000 PSI	21.0 gr / 10,000 PSI	22.6 gr / 10,900 PSI
1 1/8 oz	Longshot	CCI 209M	WAA20	19.2 gr / 8,300 PSI	20.7 gr / 10,600 PSI	—
1 1/8 oz	Longshot	Fed. 209A	Fed. 20S1	19.3 gr / 9,300 PSI	20.6 gr / 10,900 PSI	21.9 gr / 12,000 PSI
1 1/8 oz	Longshot	Fed. 209A	Rem. RXP20	19.6 gr / 9,000 PSI	21.1 gr / 10,600 PSI	22.7 gr / 11,000 PSI
1 1/8 oz	Longshot	Fed. 209A	WAA20	19.6 gr / 9,700 PSI	20.7 gr / 10,900 PSI	—
1 1/8 oz	Longshot	Rem. 209P	Fed. 20S1	19.4 gr / 9,000 PSI	20.3 gr / 10,300 PSI	22.2 gr / 11,600 PSI
1 1/8 oz	Longshot	Rem. 209P	Rem. RXP20	19.5 gr / 8,600 PSI	21.1 gr / 9,900 PSI	22.7 gr / 11,200 PSI
1 1/8 oz	Longshot	Rem. 209P	WAA20	19.4 gr / 9,100 PSI	20.3 gr / 10,400 PSI	22.1 gr / 11,600 PSI
1 1/8 oz	Longshot	Win. 209	Fed. 20S1	20.6 gr / 8,200 PSI	21.7 gr / 9,500 PSI	22.7 gr / 10,600 PSI
1 1/8 oz	Longshot	Win. 209	Rem. RXP20	20.3 gr / 8,500 PSI	21.7 gr / 9,600 PSI	23.0 gr / 10,600 PSI
1 1/8 oz	Longshot	Win. 209	WAA20	19.6 gr / 8,800 PSI	21.0 gr / 10,100 PSI	22.4 gr / 11,300 PSI
				1185 fps	**1240 fps**	
1 1/4 oz	Longshot	CCI 209M	Fed. 20S1	20.2 gr / 11,300 PSI	—	
1 1/4 oz	Longshot	CCI 209M	Rem. RXP20	21.0gr / 11,000 PSI	—	
1 1/4 oz	Longshot	CCI 209M	WAA20F1	20.3 gr / 11,400 PSI	—	
1 1/4 oz	Longshot	Fed. 209A	Fed. 20S1	20.2 gr / 11,700 PSI	—	
1 1/4 oz	Longshot	Fed. 209A	Rem. RXP20	20.9 gr / 11,300 PSI	—	
1 1/4 oz	Longshot	Fed. 209A	WAA20F1	20.2 gr / 11,500 PSI	—	
1 1/4 oz	Longshot	Rem. 209P	Fed. 20S1	20.5 gr / 11,600 PSI	—	
1 1/4 oz	Longshot	Rem. 209P	Rem. RXP20	21.5 gr / 10,400 PSI	—	
1 1/4 oz	Longshot	Rem. 209P	WAA20F1	19.9 gr / 11,200 PSI	—	
1 1/4 oz	Longshot	Win. 209	Fed. 20S1	20.4 gr / 10,300 PSI	—	
1 1/4 oz	Longshot	Win. 209	Rem. RXP20	21.3 gr / 10,600 PSI	—	
1 1/4 oz	Longshot	Win. 209	WAA20F1	21.2 gr / 10,300 PSI	22.2 gr / 11,500 PSI	
20 GA., 3", REMINGTON NITRO STEEL PLASTIC SHELLS (LEAD SHOT)						
				1175 fps	**1230 fps**	**1285 fps**
1 1/8 oz	Longshot	CCI 209M	BP2 Trap Com.	19.5 gr / 10,100 PSI	20.5 gr / 11,100 PSI	—
1 1/8 oz	Longshot	Rem. 209P	BP2 Trap Com.	19.6 gr / 9,300 PSI	21.0 gr / 10,800 PSI	—
1 1/8 oz	Longshot	Win. 209	Fed. 20S1	20.1 gr / 8,500 PSI	21.4 gr / 9,800 PSI	22.7 gr / 11,100 PSI
1 1/8 oz	Longshot	Win. 209	Rem. RXP20	—	—	23.0 gr / 11,900 PSI
1 1/8 oz	Longshot	Win. 209	WAA20	20.0 gr / 8,900 PSI	21.4 gr / 10,200 PSI	22.7 gr / 11,500 PSI
				1185 fps	**1240 fps**	
1 1/4 oz	Longshot	CCI 209M	Fed. 20S1	20.0 gr / 12,000 PSI	—	
1 1/4 oz	Longshot	CCI 209M	PC20	20.1 gr / 11,300 PSI	—	
1 1/4 oz	Longshot	CCI 209M	Rem. RXP20	20.2 gr / 11,500 PSI	—	
1 1/4 oz	Longshot	CCI 209M	WAA20	20.0 gr / 11,500 PSI	—	
1 1/4 oz	Longshot	Rem. 209P	Fed. 20S1	20.5 gr / 10,900 PSI	—	
1 1/4 oz	Longshot	Rem. 209P	PC20	20.6 gr / 10,300 PSI	—	
1 1/4 oz	Longshot	Rem. 209P	RXP20	20.3 gr / 11,000 PSI	—	
1 1/4 oz	Longshot	Rem. 209P	WAA20	20.4 gr / 11,500 PSI	—	
1 1/4 oz	Longshot	Win. 209	Fed 20S1	20.5 gr / 11,500 PSI	—	
1 1/4 oz	Longshot	Win. 209	PC20	21.0 gr / 10,600 PSI	22.4 gr / 12,000 PSI	
1 1/4 oz	Longshot	Win. 209	Rem. RXP20	20.7 gr / 11,100 PSI	—	
1 1/4 oz	Longshot	Win. 209	WAA20	20.7 gr / 11,300 PSI	—	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
20 GA., 3", REMINGTON PREMIER PLASTIC SHELLS							
				1175 fps	**1230 fps**		
1 1/8 oz	Longshot	CCI 209M	PC20	17.6 gr / 11,400 PSI	—		
1 1/8 oz	Longshot	CCI 209M	Rem. RXP20	17.7 gr / 11,500 PSI	—		
1 1/8 oz	Longshot	Rem. 209P	PC20	17.6 gr / 10,900 PSI	—		
1 1/8 oz	Longshot	Rem. 209P	Rem. RXP20	17.7 gr / 11,500 PSI	—		
1 1/8 oz	Longshot	Rem. 209P	WAA20	17.6 gr / 12,000 PSI	—		
1 1/8 oz	Longshot	Win. 209	Fed. 20S1	18.2 gr / 10,800 PSI	—		
1 1/8 oz	Longshot	Win. 209	PC20	18.3 gr / 10,500 PSI	19.3 gr / 12,000 PSI		
1 1/8 oz	Longshot	Win. 209	Rem. RXP20	17.7 gr / 10,200 PSI	—		
1 1/8 oz	Longshot	Win. 209	WAA20	18.1 gr / 11,400 PSI	—		
20 GA., 3", WINCHESTER COMPRESSION-FORMED SUPER-X TYPE SHELLS							
				1175 fps	**1230 fps**		
1 1/8 oz	Longshot	Rem. 209P	Rem. RXP20	18.4 gr / 11,200 PSI	—		
1 1/8 oz	Longshot	Rem. 209P	WAA20	18.0 gr / 11,200 PSI	—		
1 1/8 oz	Longshot	Win. 209	Fed. 20S1	18.7 gr / 10,400 PSI	—		
1 1/8 oz	Longshot	Win. 209	Rem. RXP20	18.5 gr / 10,500 PSI	20.0 gr / 11,800 PSI		
1 1/8 oz	Longshot	Win. 209	WAA20	18.6 gr / 10,900 PSI	19.5 gr / 12,000 PSI		
				1220 fps			
1 1/8 oz	HS-7	Rem. 209P	WAA20	27.0 gr / 11,200 LUP			
1 1/8 oz	HS-7	Win. 209	WAA20	27.0 gr / 11,100 LUP			
				1135 fps			
1 1/4 oz	HS-7	Rem. 209P	WAA20	24.0 gr / 11,000 LUP			
1 1/4 oz	HS-7	Win. 209	WAA20	24.0 gr / 10,900 LUP			
28 GA., 2 3/4", CHEDDITE PLASTIC SHELLS							
				1200 fps	**1225 fps**	**1250 fps**	
3/4 oz	Universal	Ched. 209	Fed. 28S1	14.5 gr / 11,000 PSI	14.9 gr / 11,800 PSI	—	
3/4 oz	Universal	Ched. 209	Rem. PT28	14.5 gr / 10,700 PSI	15.2 gr / 11,700 PSI	15.4gr / 12,300 PSI	
3/4 oz	Universal	Fio. 616	Fed. 28S1	14.2 gr / 11,300 PSI	14.4 gr / 12,400 PSI	—	
3/4 oz	Universal	Fio. 616	Rem. PT28	14.2 gr / 11,400 PSI	14.5 gr / 12,400 PSI	—	
				1225 fps	**1250 fps**	**1275 fps**	**1300 fps**
3/4 oz	Longshot	Ched. 209	Fed. 28S1	15.2 gr / 10,300 PSI	15.6 gr / 10,800 PSI	16.0 gr / 11,300 PSI	16.4 gr / 11,800 PSI
3/4 oz	Longshot	Ched. 209	Rem. PT28	14.9 gr / 9,600 PSI	15.5 gr / 10,100 PSI	16.0 gr / 10,600 PSI	16.6 gr / 11,100 PSI
3/4 oz	Longshot	Fio. 616	Fed. 28S1	15.0 gr / 10,300 PSI	15.5 gr / 10,900 PSI	15.9 gr / 11,400 PSI	16.4 gr / 12,100 PSI
3/4 oz	Longshot	Fio. 616	Rem. PT28	15.1 gr / 9,400 PSI	15.6 gr / 10,000 PSI	16.1 gr / 10,500 PSI	16.6 gr / 11,100 PSI
				1200 fps			
13/16 oz	Universal	Ched. 209	Fed. 28S1	14.5 gr / 12,400 PSI			
13/16 oz	Universal	Ched. 209	Rem. PT28	14.7 gr / 12,500 PSI			
				1200 fps	**1225 fps**	**1250 fps**	**1275 fps**
13/16 oz	Longshot	Ched. 209	Fed. 28S1	15.2 gr / 10,800 PSI	15.6 gr / 11,400 PSI	16.0 gr / 12,100 PSI	—
13/16 oz	Longshot	Ched. 209	Rem. PT28	15.2 gr / 10,000 PSI	15.7 gr / 10,500 PSI	16.2 gr / 11,000 PSI	16.7 gr / 11,600 PSI
13/16 oz	Longshot	Fio. 616	Fed. 28S1	15.0 gr / 10,900 PSI	15.5 gr / 11,700 PSI	16.0 gr / 12,500 PSI	—
13/16 oz	Longshot	Fio. 616	Rem. PT28	14.9 gr / 10,300 PSI	15.4 gr / 10,400 PSI	15.8 gr / 11,400 PSI	16.3 gr / 12,000 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
28 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS							
				1200 fps	**1225 fps**	**1250 fps**	
3/4 oz	Universal	CCI 209SC	Fed. 28S1	14.3 gr / 10,600 PSI	15.1 gr / 11,400 PSI	15.3 gr / 11,800 PSI	
3/4 oz	Universal	CCI 209SC	Rem. PT28	14.5 gr / 10,000 PSI	15.0 gr / 10,900 PSI	15.5 gr / 11,100 PSI	
3/4 oz	Universal	Fed. 209A	Rem. PT28	14.2 gr / 11,400 PSI	—	—	
3/4 oz	Universal	Win. 209	Fed. 28S1	14.5 gr / 10,700 PSI	15.0 gr / 11,500 PSI	15.5 gr / 12,400 PSI	
3/4 oz	Universal	Win. 209	PC28	14.8 gr / 10,700 PSI	15.2 gr / 11,300 PSI	15.6 gr / 11,900 PSI	
3/4 oz	Universal	Win. 209	Rem. PT28	14.5 gr / 10,200 PSI	15.2 gr / 10,900 PSI	15.8 gr / 11,700 PSI	
				1225 fps	**1250 fps**	**1275 fps**	**1300 fps**
3/4 oz	Longshot	CCI209M	Fed. 28S1	15.3 gr / 10,000 PSI	15.8 gr / 10,600 PSI	16.3 gr / 11,200 PSI	16.8 gr / 11,800 PSI
3/4 oz	Longshot	CCI209M	Rem. PT28	15.5 gr / 9,900 PSI	15.9 gr / 10,600 PSI	16.3 gr / 11,200 PSI	16.6 g/11,700 PSI
3/4 oz	Longshot	Fed. 209A	Fed. 28S1	15.2 gr / 11,000 PSI	15.6 gr / 11,600 PSI	15.9 gr / 12,000 PSI	—
3/4 oz	Longshot	Fed. 209A	Rem. PT28	15.3 gr / 10,400 PSI	15.8 gr / 11,000 PSI	16.2 gr / 11,400 PSI	16.7 gr / 12,000 PSI
3/4 oz	Longshot	Rem. 209P	Fed. 28S1	15.1 gr / 10,500 PSI	15.6 gr / 11,100 PSI	16.0 gr / 11,500 PSI	16.5 gr / 12,000 PSI
3/4 oz	Longshot	Rem. 209P	Rem. PT28	15.1 gr / 9,800 PSI	15.6 gr / 10,400 PSI	16.1 gr / 11,100 PSI	16.6 gr / 11,800 PSI
3/4 oz	Longshot	Win. 209	Fed. 28S1	15.7 gr / 10,200 PSI	16.1 gr / 10,800 PSI	16.5 gr / 11,400 PSI	16.9 gr / 11,900 PSI
3/4 oz	Longshot	Win. 209	Rem. PT28	15.8 gr / 9,600 PSI	16.2 gr / 10,000 PSI	16.6 gr / 10,400 PSI	17.0 gr / 10,800 PSI
				1200 fps	**1225 fps**	**1250 fps**	
13/16 oz	Universal	CCI 209SC	Fed. 28S1	14.9 gr / 12,100 PSI	—	—	
13/16 oz	Universal	CCI 209SC	PC28	15.0 gr / 12,400 PSI	—	—	
13/16 oz	Universal	CCI 209SC	Rem. PT28	15.1 gr / 11,100 PSI	—	—	
13/16 oz	Universal	Win. 209	Fed. 28S1	14.9 gr / 12,300 PSI	—	—	
13/16 oz	Universal	Win. 209	PC28	14.9 gr / 12,000 PSI	—	—	
13/16 oz	Universal	Win. 209	Rem. PT28	14.9 gr / 11,600 PSI	—	—	
13/16 oz	Longshot	CCI209M	Fed. 28S1	15.5 gr / 11,400 PSI	—	—	
13/16 oz	Longshot	CCI209M	Rem. PT28	15.3 gr / 10,600 PSI	15.8 gr / 11,300 PSI	16.5 gr / 12,000 PSI	
13/16 oz	Longshot	Fed. 209A	Fed. 28S1	14.9 gr / 11,900 PSI	15.4 gr / 12,500 PSI	—	
13/16 oz	Longshot	Fed. 209A	Rem. PT28	15.2 gr / 10,900 PSI	15.6 gr / 11,500 PSI	16.0 gr / 12,200 PSI	
13/16 oz	Longshot	Rem. 209P	Fed. 28S1	14.7 gr / 11,800 PSI	15.0 gr / 12,200 PSI	—	
13/16 oz	Longshot	Rem. 209P	Rem. PT28	15.5 gr / 11,000 PSI	15.9 gr / 11,400 PSI	16.3 gr / 11,800 PSI	
13/16 oz	Longshot	Win. 209	Fed. 28S1	15.2 gr / 11,000 PSI	15.5 gr / 12,300 PSI	—	
13/16 oz	Longshot	Win. 209	Rem. PT28	15.7 gr / 10,200 PSI	16.1 gr / 10,900 PSI	16.5 gr / 11,500 PSI	
7/8oz	HS-7	Rem. 209P	Rem. PT28	19.5 gr / 10,900 PSI	—	—	
7/8 oz	HS-7	Win. 209	PC28	19.2 gr / 10,700 PSI	—	—	
28 GA., 2 3/4", FIOCCHI PLASTIC TARGET SHELLS							
				1200 fps	**1225 fps**	**1250 fps**	
3/4 oz	Universal	Fio. 616	Fed. 28S1	14.3 gr / 11,200 PSI	14.6 gr / 11,800 PSI	15.0 gr / 12,300 PSI	
3/4 oz	Universal	Fio. 616	PC28	14.2 gr / 10,900 PSI	14.8 gr / 11,300 PSI	15.2 gr / 11,800 PSI	
3/4 oz	Universal	Fio. 616	Rem. PT28	14.2 gr / 10,600 PSI	14.8 gr / 11,000 PSI	15.1 gr / 11,900 PSI	
				1225 fps	**1250 fps**	**1275 fps**	**1300 fps**
3/4 oz	Longshot	Ched. 209	Fed. 28S1	14.9 gr / 10,200 PSI	15.4 gr / 10,900 PSI	15.9 gr / 11,600 PSI	16.5 gr / 12,300 PSI
3/4 oz	Longshot	Ched. 209	Rem. PT28	15.1 gr / 9,800 PSI	15.6 gr / 10,400 PSI	16.1 gr / 10,900 PSI	16.5 gr / 11,400 PSI
3/4 oz	Longshot	Fio. 616	Fed. 28S1	15.1 gr / 10,700 PSI	15.5 gr / 11,300 PSI	15.9 gr / 11,800 PSI	16.2 gr / 12,300 PSI
3/4 oz	Longshot	Fio. 616	Rem. PT28	15.2 gr / 10,000 PSI	15.6 gr / 10,400 PSI	16.1 gr / 11,000 PSI	16.6 gr / 11,500 PSI
13/16 oz	Universal	Fio. 616	Fed. 28S1	14.5 gr / 12,400 PSI	—	—	—
13/16 oz	Universal	Fio. 616	PC28	14.5 gr / 12,100 PSI	—	—	—
13/16 oz	Universal	Fio. 616	Rem. PT28	15.0 gr / 11,900 PSI	—	—	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
28 GA., 2 3/4", FIOCCHI PLASTIC TARGET SHELLS CONT.							
				1200 fps	1225 fps	1250 fps	1275 fps
13/16 oz	Longshot	Ched. 209	Fed. 28S1	14.7 gr / 11,300 PSI	15.2 gr / 11,900 PSI	15.7 gr / 12,500 PSI	—
13/16 oz	Longshot	Ched. 209	Rem. PT28	15.3 gr / 10,700 PSI	15.6 gr / 11,100 PSI	16.0 gr / 11,700 PSI	16.5 gr / 12,300 PSI
13/16 oz	Longshot	Fio. 616	Fed. 28S1	14.8 gr / 11,300 PSI	15.3 gr / 11,800 PSI	15.9 gr / 12,500 PSI	—
13/16 oz	Longshot	Fio. 616	Rem. PT28	15.0 gr / 10,600 PSI	15.4 gr / 11,200 PSI	15.8 gr / 11,800 PSI	16.2 gr / 12,400 PSI
7/8 oz	HS-7	Rem. 209P	PC28	19.0 gr / 10,100 PSI	—	—	—
7/8 oz	HS-7	Win. 209	Rem. PT28	19.5 gr / 11,100 PSI	—	—	—
28 GA., 2 3/4", REMINGTON STS PLASTIC SHELLS							
				1200 fps			
3/4 oz	Universal	CCI 209SC	PC28	13.6 gr / 12,200 PSI			
3/4 oz	Universal	CCI 209SC	Rem. PT28	13.8 gr / 12,100 PSI			
3/4 oz	Universal	CCI 209SC	WAA28	13.8 gr / 11,600 PSI			
3/4 oz	Universal	Fed. 209A	WAA28	13.5 gr / 12,200 PSI			
3/4 oz	Universal	Rem. 209P	PC28	13.6 gr / 12,000 PSI			
3/4 oz	Universal	Rem. 209P	Rem. PT28	13.8 gr / 12,000 PSI			
3/4 oz	Universal	Rem. 209P	WAA28	13.9 gr / 11,700 PSI			
3/4 oz	Universal	Win. 209	PC28	13.5 gr / 12,400 PSI			
3/4 oz	Universal	Win. 209	Rem. PT28	13.8 gr / 12,100 PSI			
3/4 oz	Universal	Win. 209	WAA28	13.8 gr / 11,500 PSI			
3/4 oz	HS-6	CCI 209SC	Rem. PT28	17.0 gr / 10,900 PSI			
3/4 oz	HS-6	CCI 209SC	WAA28	17.0 gr / 10,300 PSI			
3/4 oz	HS-6	Fed. 209A	Rem. PT28	16.7 gr / 11,700 PSI			
3/4 oz	HS-6	Fed. 209A	WAA28	16.7 gr / 11,000 PSI			
3/4 oz	HS-6	Rem. 209P	Rem. PT28	17.1 gr / 11,000 PSI			
3/4 oz	HS-6	Rem. 209P	WAA28	17.1 gr / 10,400 PSI			
3/4 oz	HS-6	Win. 209	Rem. PT28	17.0 gr / 11,500 PSI			
3/4 oz	HS-6	Win. 209	WAA28	17.0 gr / 10,700 PSI			
				1225 fps	1250 fps	1275 fps	1300 fps
3/4 oz	Longshot	CCI209M	PC 28	14.4 gr / 12,000 PSI	14.9 gr / 12,300 PSI	—	—
3/4 oz	Longshot	CCI209M	Rem. PT28	14.1 gr / 11,100 PSI	14.6 gr / 11,900 PSI	—	—
3/4 oz	Longshot	CCI209M	WAA28	14.4 gr / 11,500 PSI	14.9 gr / 11,900 PSI	15.4 gr / 12,400 PSI	—
3/4 oz	Longshot	Fed. 209A	PC 28	14.3 gr / 12,000 PSI	—	—	—
3/4 oz	Longshot	Fed. 209A	Rem. PT28	14.0 gr / 11,700 PSI	15.3 gr / 12,500 PSI	—	—
3/4 oz	Longshot	Fed. 209A	WAA28	14.2 gr / 11,200 PSI	14.7 gr / 12,000 PSI	—	—
3/4 oz	Longshot	Rem. 209P	PC 28	14.5 gr / 11,200 PSI	15.0 gr / 11,800 PSI	15.5 gr / 12,300 PSI	—
3/4 oz	Longshot	Rem. 209P	Rem. PT28	14.3 gr / 11,300 PSI	14.9 gr / 12,000 PSI	15.4 gr / 12,500 PSI	—
3/4 oz	Longshot	Rem. 209P	WAA28	14.3 gr / 11,000 PSI	14.8 gr / 11,600 PSI	15.2 gr / 12,000 PSI	15.6 gr / 12,400 PSI
3/4 oz	Longshot	Win. 209	PC 28	14.9 gr / 10,900 PSI	15.4 gr / 11,600 PSI	15.8 gr / 12,100 PSI	—
3/4 oz	Longshot	Win. 209	Rem. PT28	14.7 gr / 10,900 PSI	15.3 gr / 11,300 PSI	15.9 gr / 11,900 PSI	16.4 gr / 12,300 PSI
3/4 oz	Longshot	Win. 209	WAA28	14.5 gr / 10,700 PSI	15.1 gr / 11,200 PSI	15.6 gr / 11,600 PSI	16.2 gr / 12,200 PSI
28 GA., 2 3/4", WINCHESTER AA PLASTIC SHELLS							
				1200 fps	1225 fps	1250 fps	
3/4 oz	Universal	CCI 209SC	PC28	13.0 gr / 12,000 PSI	—	—	
3/4 oz	Universal	CCI 209SC	Rem. PT28	13.2 gr / 12,200 PSI	—	—	
3/4 oz	Universal	CCI 209SC	WAA28	13.0 gr / 12,400 PSI	—	—	
3/4 oz	Universal	Rem. 209P	Rem. PT28	13.2 gr / 11,900 PSI	—	—	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE		
28 GA., 2 3/4", WINCHESTER AA PLASTIC SHELLS CONT.						
				1200 fps	**1225 fps**	**1250 fps**
3/4 oz	Universal	Win. 209	WAA28	13.0 gr / 10,800 PSI	—	—
3/4 oz	Universal	Win. 209	PC28	13.2 gr / 11,900 PSI	—	—
3/4 oz	HS-6	CCI 209SC	WAA28	16.6 gr / 11,500 PSI	—	—
3/4 oz	HS-6	Rem. 209P	PC28	16.4 gr / 12,400 PSI	—	—
3/4 oz	HS-6	Rem. 209P	WAA28	17.1 gr / 10,900 PSI	17.5 gr / 11,800 PSI	17.8 gr / 12,100 PSI
3/4 oz	HS-6	Win. 209	Rem. PT28	16.7 gr / 12,000 PSI	—	—
3/4 oz	HS-6	Win. 209	WAA28	17.1 gr / 10,900 PSI	17.5 gr / 11,600 PSI	17.9 gr / 12,300 PSI
				1225 fps	**1250 fps**	**1275 fps**
3/4 oz	Longshot	CCI209M	PC 28	14.1 gr / 12,200 PSI	—	—
3/4 oz	Longshot	CCI209M	Rem. PT28	14.1 gr / 12,000 PSI	—	—
3/4 oz	Longshot	CCI209M	WAA28	14.1 gr / 12,100 PSI	—	—
3/4 oz	Longshot	Fed. 209A	PC 28	14.2 gr / 12,100 PSI	—	—
3/4 oz	Longshot	Fed. 209A	Rem. PT28	14.4 gr / 12,300 PSI	—	—
3/4 oz	Longshot	Fed. 209A	WAA28	14.0 gr / 11,900 PSI	—	—
3/4 oz	Longshot	Rem. 209P	PC 28	14.0 gr / 12,300 PSI	—	—
3/4 oz	Longshot	Rem. 209P	Rem. PT28	14.2 gr / 11,300 PSI	14.6 gr / 12,200 PSI	—
3/4 oz	Longshot	Rem. 209P	WAA28	14.2 gr / 11,900 PSI	—	—
3/4 oz	Longshot	Win. 209	PC 28	14.6 gr / 11,700 PSI	15.0 gr / 12,300 PSI	—
3/4 oz	Longshot	Win. 209	Rem. PT28	14.4 gr / 11,300 PSI	15.0 gr / 12,000 PSI	15.5 gr / 12,300 PSI
3/4 oz	Longshot	Win. 209	WAA28	14.3 gr / 11,300 PSI	15.1 gr / 12,100 PSI	—
410 BORE, 2 1/2", CHEDDITE PLASTIC SHELLS						
				1200 fps	**1225 fps**	
1/2 oz	LIL'GUN	Ched. 209	Fed. 410SC	13.0 gr / 11,100 PSI	13.3 gr / 12,000 PSI	
1/2 oz	LIL'GUN	Ched. 209	Rem. SP410	12.8 gr / 11,400 PSI	13.1 gr / 11,800 PSI	
1/2 oz	LIL'GUN	Fio. 616	Fed. 410SC	13.0 gr / 11,600 PSI	13.3 gr / 11,900 PSI	
1/2 oz	LIL'GUN	Fio. 616	Rem. SP410	12.7 gr / 11,200 PSI	13.0 gr / 12,300 PSI	
1/2 oz	H110	Ched. 209	Fed. 410SC	15.7 gr / 8,700 PSI	16.0 gr / 9,900 PSI	
1/2 oz	H110	Ched. 209	Rem. SP410	15.5 gr / 8,800 PSI	15.7 gr / 9,800 PSI	
410 BORE, 2 1/2", FEDERAL TARGET SHELLS						
				1200 fps		
1/2 oz	LIL'GUN	CCI 209SC	Fed. 410SC	12.9 gr / 11,800 PSI		
1/2 oz	LIL'GUN	CCI 209SC	Rem. SP410	12.8 gr / 11,400 PSI		
1/2 oz	LIL'GUN	CCI 209SC	WAA41	12.8 gr / 11,700 PSI		
1/2 oz	LIL'GUN	Fed. 209A	Fed. 410SC	12.9 gr / 11,800 PSI		
1/2 oz	LIL'GUN	Fed. 209A	Rem. SP410	13.0 gr / 11,700 PSI		
1/2 oz	LIL'GUN	Fed. 209A	WAA41	13.0 gr / 11,100 PSI		
1/2 oz	LIL'GUN	Rem. 209P	Fed. 410SC	13.0 gr / 11,000 PSI		
1/2 oz	LIL'GUN	Rem. 209P	Rem. SP410	13.1 gr / 11,200 PSI		
1/2 oz	LIL'GUN	Rem. 209P	WAA41	13.1 gr / 10,800 PSI		
1/2 oz	LIL'GUN	Win. 209	Fed. 410SC	12.9 gr / 11,600 PSI		
1/2 oz	LIL'GUN	Win. 209	Orange PC	12.8 gr / 11,500 PSI		
1/2 oz	LIL'GUN	Win. 209	Rem. SP410	12.8 gr / 11,700 PSI		
1/2 oz	LIL'GUN	Win. 209	WAA41	12.8 gr / 11,700 PSI		
1/2 oz	H110	Fed. 209A	Fed. 410SC	15.0 gr / 10,200 PSI		
1/2 oz	H110	Fed. 209A	Orange PC	15.5 gr / 8,500 PSI		

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE
410 BORE, 2 1/2", FEDERAL TARGET SHELLS CONT.				
				1200 fps
1/2 oz	H110	Win. 209	Orange PC	15.5 gr / 8,400 PSI
1/2 oz	H110	Win. 209	WAA41	15.0 gr / 9,700 PSI
410 BORE, 2 1/2", REMINGTON-PETERS "SP" PLASTIC SHELLS				
				1200 fps
1/2 oz	LIL'GUN	Rem. 209P	Rem. SP410	13.0 gr / 10,900 PSI
1/2 oz	LIL'GUN	Rem. 209P	WAA41	13.1 gr / 10,200 PSI
1/2 oz	LIL'GUN	Win. 209	Rem. SP410	12.7 gr / 11,700 PSI
1/2 oz	LIL'GUN	Win. 209	WAA41	12.8 gr / 11,600 PSI
1/2 oz	H110	Rem. 209P	Rem. SP410	15.0 gr / 9,400 PSI
1/2 oz	H110	Rem. 209P	Fed. 410SC	15.0 gr / 9,500 PSI
1/2 oz	H110	Rem. 209P	Orange PC	16.5 gr / 7,000 PSI
410 BORE, 2 1/2", REMINGTON-PETERS "STS" PLASTIC SHELLS				
				1200 fps
1/2 oz	LIL'GUN	CCI 209SC	Fed. 410SC	12.9 gr / 11,800 PSI
1/2 oz	LIL'GUN	CCI 209SC	Orange PC	13.0 gr / 11,300 PSI
1/2 oz	LIL'GUN	CCI 209SC	Rem. SP410	12.9 gr / 11,600 PSI
1/2 oz	LIL'GUN	CCI 209SC	WAA41	12.8 gr / 11,300 PSI
1/2 oz	LIL'GUN	Fed. 209A	Fed. 410SC	12.9 gr / 11,600 PSI
1/2 oz	LIL'GUN	Fed. 209A	Orange PC	13.1 gr / 11,000 PSI
1/2 oz	LIL'GUN	Fed. 209A	Rem. SP410	12.9 gr / 10,900 PSI
1/2 oz	LIL'GUN	Fed. 209A	WAA41	12.9 gr / 11,200 PSI
1/2 oz	LIL'GUN	Rem. 209P	Fed. 410SC	13.0 gr / 11,000 PSI
1/2 oz	LIL'GUN	Rem. 209P	Orange PC	13.3 gr / 10,400 PSI
1/2 oz	LIL'GUN	Rem. 209P	Rem. SP410	13.2 gr / 10,800 PSI
1/2 oz	LIL'GUN	Rem. 209P	WAA41	13.0 gr / 10,600 PSI
1/2 oz	LIL'GUN	Win. 209	Fed. 410SC	12.6 gr / 11,800 PSI
1/2 oz	LIL'GUN	Win. 209	Orange PC	12.9 gr / 11,100 PSI
1/2 oz	LIL'GUN	Win. 209	Rem. SP410	12.6 gr / 11,600 PSI
1/2 oz	LIL'GUN	Win. 209	WAA41	12.9 gr / 11,500 PSI
1/2 oz	H110	Fed. 209A	Fed. 410SC	14.2 gr / 10,600 PSI
1/2 oz	H110	Rem. 209P	Fed. 410SC	14.7 gr / 9,600 PSI
1/2 oz	H110	Rem. 209P	Orange PC	15.2 gr / 9,300 PSI
1/2 oz	H110	Rem. 209P	Rem. SP410	14.8 gr / 8,900 PSI
1/2 oz	H110	Win. 209	WAA41	14.0 gr / 10,000 PSI
410 BORE, 2 1/2", WINCHESTER COMPRESSION-FORMED AA PLASTIC SHELLS				
				1200 fps
1/2 oz	LIL'GUN	CCI 209SC	Fed. 410SC	11.9 gr / 12,300 PSI
1/2 oz	LIL'GUN	CCI 209SC	Orange PC	12.4 gr / 11,800 PSI
1/2 oz	LIL'GUN	CCI 209SC	Rem. SP410	12.3 gr / 12,000 PSI
1/2 oz	LIL'GUN	CCI 209SC	WAA41	12.3 gr / 12,000 PSI
1/2 oz	LIL'GUN	Fed. 209A	Fed. 410SC	12.2 gr / 12,400 PSI
1/2 oz	LIL'GUN	Fed. 209A	Orange PC	12.6 gr / 11,700 PSI
1/2 oz	LIL'GUN	Fed. 209A	Rem. SP410	12.6 gr / 11,800 PSI
1/2 oz	LIL'GUN	Fed. 209A	WAA41	12.6 gr / 11,500 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE
410 BORE, 2 1/2", WINCHESTER COMPRESSION-FORMED AA PLASTIC SHELLS CONT.				
				1200 fps
1/2 oz	LIL'GUN	Rem. 209P	Fed. 410SC	12.5 gr / 12,400 PSI
1/2 oz	LIL'GUN	Rem. 209P	Orange PC	12.5 gr / 11,100 PSI
1/2 oz	LIL'GUN	Rem. 209P	Rem. SP410	12.6 gr / 11,500 PSI
1/2 oz	LIL'GUN	Rem. 209P	WAA41	12.5 gr / 11,700 PSI
1/2 oz	LIL'GUN	Win. 209	Fed. 410SC	12.0 gr / 12,400 PSI
1/2 oz	LIL'GUN	Win. 209	Orange PC	12.5 gr / 11,600 PSI
1/2 oz	LIL'GUN	Win. 209	Rem. SP410	12.5 gr / 12,200 PSI
1/2 oz	LIL'GUN	Win. 209	WAA41	12.2 gr / 12,300 PSI
1/2 oz	H110	Win. 209	WAA41	14.0 gr / 9,900 LUP
1/2 oz	H110	Win. 209	Fed. 410SC	14.0 gr / 9,100 LUP
1/2 oz	H110	Fed. 209A	Orange PC	15.0 gr / 9,000 PSI
1/2 oz	H110	Win. 209	Orange PC	14.0 gr / 9,500 PSI
410 BORE, 3", FEDERAL PLASTIC GAME SHELLS				
				1135 fps
11/16 oz	LIL'GUN	Fed. 209A	Fed. 410SC	13.0 gr / 13,400 PSI
11/16 oz	LIL'GUN	Fed. 209A	WAA41	13.0 gr / 12,400 PSI
11/16 oz	LIL'GUN	Rem.. 209P	Rem. SP410	13.1 gr / 12,900 PSI
11/16 oz	LIL'GUN	Win. 209	Fed. 410SC	12.9 gr / 13,500 PSI
11/16 oz	LIL'GUN	Win. 209	WAA41	12.8 gr / 12,900 PSI
11/16 oz	H110	Fed. 209A	Fed. 410SC	14.9 gr / 12,300 PSI
11/16 oz	H110	Win. 209	WAA41	15.0 gr / 11,800 PSI
410 BORE, 3", REMINGTON "SP" PLASTIC SHELLS				
				1135 fps
11/16 oz	LIL'GUN	Rem. 209P	Rem. SP410	12.8 gr / 12,900 PSI
11/16 oz	LIL'GUN	Win. 209	WAA41	12.7 gr / 13,500 PSI
11/16 oz	H110	Rem. 209P	Rem. SP410	15.0 gr / 11,800 PSI
11/16 oz	H110	Win. 209	WAA41	14.5 gr / 12,800 PSI
410 BORE, 3", WINCHESTER COMPRESSION-FORMED PLASTIC SHELLS				
				1100 fps / **1135 fps**
11/16 oz	LIL'GUN	CCI 209	Orange PC	12.2 gr / 13,300 PSI / —
11/16 oz	LIL'GUN	CCI 209	WAA41	11.6 gr / 13,400 PSI / —
11/16 oz	LIL'GUN	Rem. 209P	Orange PC	12.3 gr / 13,500 PSI / —
11/16 oz	LIL'GUN	Rem. 209P	Rem. SP410	12.0 gr / 13,300 PSI / —
11/16 oz	LIL'GUN	Rem. 209P	WAA41	11.8 gr / 13,500 PSI / —
11/16 oz	H110	Fed. 209A	Fed. 410SC	— / 14.1 gr / 13,400 PSI
11/16 oz	H110	Rem. 209P	Rem. SP410	— / 14.3 gr / 12,500 PSI
11/16 oz	H110	Win. 209	WAA41	— / 13.5 gr / 10,900 PSI

NOTES

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